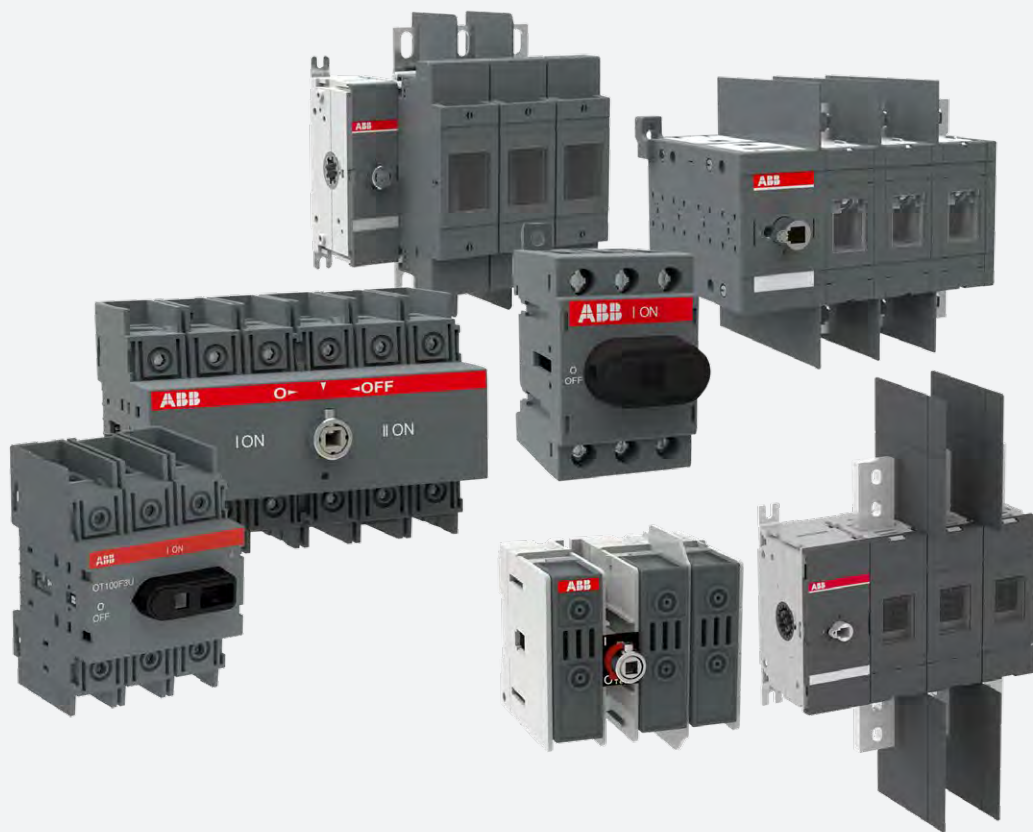


BUYLOG SECTION 9

# Disconnect Switches and Operating Mechanisms





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**Fusible disconnect switches 30...1200A**  
Product range



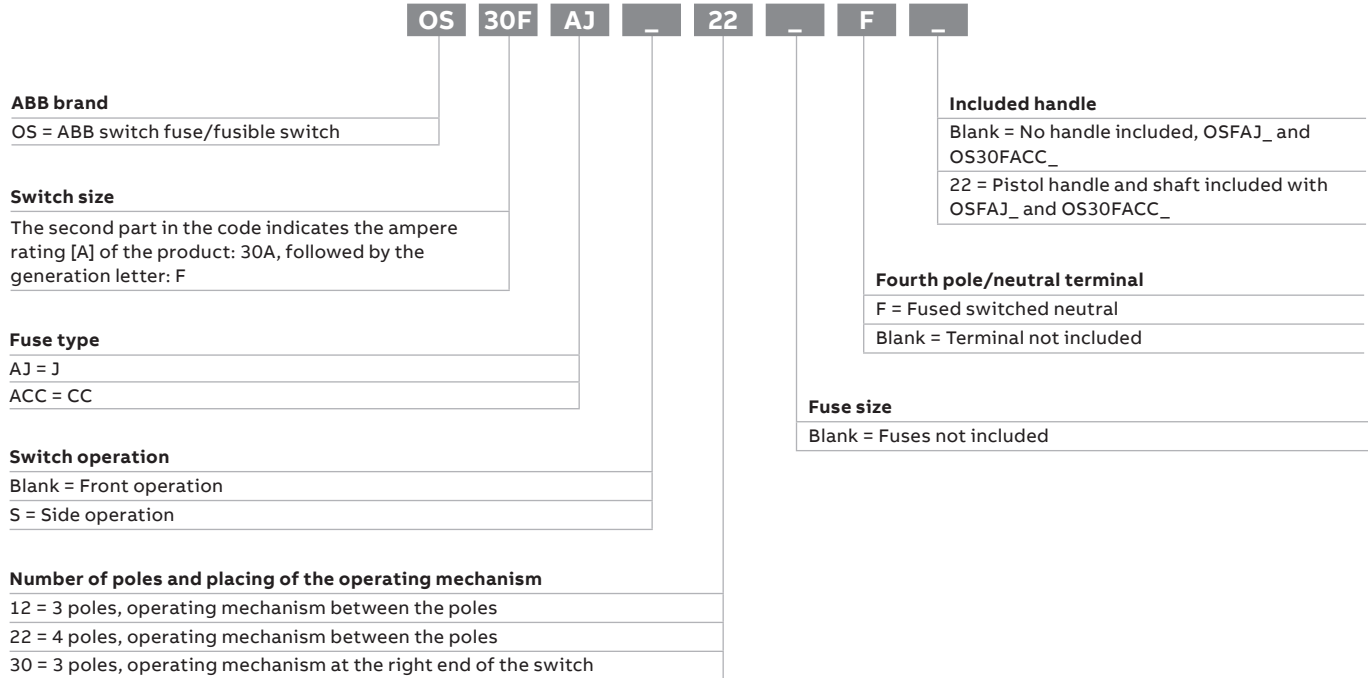
| Switch size [A]              | 30       |         | 60     | 100     | 200    | 400    | 600    | 800    | 1200    |
|------------------------------|----------|---------|--------|---------|--------|--------|--------|--------|---------|
| UL98 Switch<br>File #E101914 | OS30FACC | OS30FAJ | OS60GJ | OS100GJ | OS200J | OS400J | OS600J | OS800L | OS1200L |
| Fuse Class                   | CC       | J       | J      | J       | J      | J      | J      | L      | L       |
| 240V HP                      | 7.5      | 7.5     | 15     | 30      | 60     | 125    | 200    | 250    | -       |
| 480V HP                      | 15       | 15      | 30     | 60      | 125    | 250    | 400    | 500    | -       |
| 600V HP                      | 20       | 20      | 50     | 75      | 150    | 350    | 500    | 500    | -       |

## Fusible disconnect switches 30A (OS Mini)

### Type designation key

#### Type codes

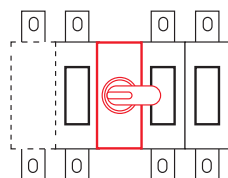
Understanding the type code keys below will help you quickly identify the correct product for your needs. The simple naming system allows you to see the products type, Ampere rating, standard classification and number of poles, all in one glance.



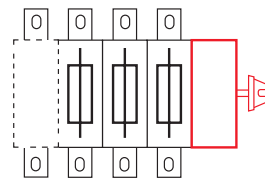
#### Pole configuration table

The various placing options of the operating mechanism in relation to the 3 or 4 poles is illustrated below. The operating mechanism may be placed at the end of the switch or between poles.

Between the poles OS\_12 or 22:



Side operated types OS\_30 or 40 / OS\_03 or 04:



## Fusible disconnect switches 60...1200A

### Type designation key

#### Type codes

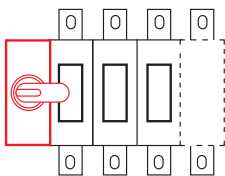
Understanding the type code keys below will help you quickly identify the correct product for your needs. The simple naming system allows you to see the products type, Ampere rating, standard classification and number of poles, all in one glance.

|   |             |          |          |  |           |          |          |
|---|-------------|----------|----------|--|-----------|----------|----------|
| <b>OS</b>   | <b>100G</b> | <b>J</b> | <b>-</b> | <b>04</b>  | <b>N2</b> | <b>-</b> | <b>P</b> |
| <b>ABB brand</b><br>OS = ABB switch fuse/fusible switch   |             |          |          | <b>Included handle</b><br>Blank = No handle included<br>P = Pistol handle and shaft<br>K = Direct mount handle   |           |          |          |
| <b>Switch size</b><br>The second part in the code indicates the ampere rating [A] of the product: 60-1200A, followed by the generation letter: G  |             |          |          | <b>Terminals for special connection (only IEC)</b><br>Blank = No special connection  |           |          |          |
| <b>Fuse type</b><br>J = J<br>L = L  |             |          |          | <b>Fourth pole/neutral terminal</b><br>Blank = Neutral terminal not included<br>N1 = Non-fused switched neutral on the left side<br>N2 = Non-fused switched neutral on the right side<br>N3 = Includes a detachable neutral link integrated into the mechanism<br>F = Fused switched neutral |           |          |          |
| <b>Switch operation</b><br>Blank = Front operation<br>S = Side operation  |             |          |          |  |           |          |          |
| <b>Number of poles and placing of the operating mechanism</b><br>03 = 3 poles, operating mechanism at the left end of the switch<br>04 = 4 poles, operating mechanism between the poles<br>12 = 3 poles, operating mechanism between the poles<br>22 = 4 poles, operating mechanism between the poles<br>30 = 3 poles, operating mechanism at the right end of the switch<br>40 = 4 poles, operating mechanism at the right end of the switch |             |          |          |  |           |          |          |

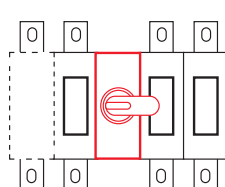
#### Pole configuration table

The various placing options of the operating mechanism in relation to the 3 or 4 poles is illustrated below. The operating mechanism may be placed at the end of the switch or between poles.

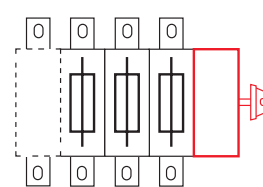
At the end of the switch fuse OS\_03 or 04:



Between the poles OS\_12 or 22:



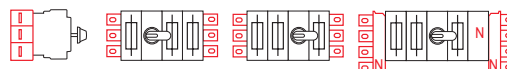
Side operated types OS\_30 or 40 / OS\_03 or 04:



BB-types:



LR-types:



## Fusible disconnect switches, UL/CSA

### Technical data for OS30...1200

#### OS30...1200

|                        | OS Mini 30       | OS_60G           | OS_100G          | OS_200           |
|------------------------|------------------|------------------|------------------|------------------|
| Approvals <sup>1</sup> | -                | UL98, IEC 2 pole | UL98, IEC 2 pole | UL98, IEC 2 pole |
|                        | UL98, IEC 3 pole | UL98, IEC 3 pole | UL98, IEC 3 pole | UL98, IEC 3 pole |
|                        | UL98, IEC 4 pole | UL98, IEC 4 pole | UL98, IEC 4 pole | UL98, IEC 4 pole |

#### Technical data according to UL/CSA

| General purpose amp rating                         | pf= 0.7...0.8                  | up to 40°C       | 30 A          | 60 A                     | 100 A        | 200 A          |
|--|--------------------------------|------------------|---------------|--------------------------|--------------|----------------|
| Max. operating voltage                             |                                |                  | 600 VAC       | 600 VAC                  | 600 VAC      | 600 VAC        |
|  |                                |                  | 250 VDC       | 250 VDC                  | 250 VDC      | 250 VDC        |
| Max. horsepower rating/ motor FLA current          | pf= 0.4...0.5 Three phase      | 240 V            | 7.5 HP/22.0 A | 15 HP/42.0 A             | 30 HP/80.0 A | 60 HP/154.0 A  |
|  |                                | 480 V            | 15 HP/21.0 A  | 30 HP/40.0 A             | 60 HP/77.0 A | 125 HP/156.0 A |
|  |                                | 600 V            | 20 HP/22.0 A  | 50 HP/52.0 A             | 75 HP/77.0 A | 150 HP/144.0 A |
|  | Single phase                   | 120 V            | 2 HP/24.0 A   |                          |              |                |
|  |                                | 240 V            | 3 HP/17.0 A   |                          |              |                |
| Short circuit rating with fuse, 3 and 4-pole types | Short circuit rating at 600VAC |                  | 200 kA        | 200 kA                   | 200 kA       | 200 kA         |
| Fuse   | Max. fuse rating               |                  | 30 A          | 60 A                     | 100 A        | 200 A          |
|  | Type of fuse                   |                  | J/CC          | J                        | J            | J              |
| Min. electrical endurance                          | pf= 0.75...0.8                 | operation cycles | 6,000         | 6,000                    | 6,000        | 6,000          |
| Terminal lug kits                                  |                                |                  | Integral      | Integral                 | OZXA-24      | OZXA-200       |
| Wire range   |                                |                  | #18-8 AWG     | #14-4 AWG                | #14-2/0 AWG  | #4-300 MCM     |
| Torque   | Wire tightening                |                  | 17 lb.in      | 30/35 lb.in <sup>2</sup> | 120 lb.in    | 200 lb.in      |
|  | Lug mounting                   |                  | N/A           | N/A                      | 50 lb.in     | 72 lb.in       |

#### OS400...1200

|                        | OS400            | OS600            | OS800            | OS1200           |
|------------------------|------------------|------------------|------------------|------------------|
| Approvals <sup>1</sup> | UL98, IEC 2 pole | UL98, IEC 2 pole | UL98, IEC 2 pole | UL98, IEC 2 pole |
|                        | UL98, IEC 3 pole | UL98, IEC 3 pole | UL98, IEC 3 pole | UL98, IEC 3 pole |
|                        | UL98, IEC 4 pole | UL98, IEC 4 pole | UL98, IEC 4 pole | UL98, IEC 4 pole |

#### Technical data according to UL/CSA

| General purpose amp rating                         | pf= 0.7...0.8                  | up to 40°C       | 400 A          | 600 A          | 800 A          | 1200 A       |
|--|--------------------------------|------------------|----------------|----------------|----------------|--------------|
| Max. operating voltage                             |                                |                  | 600 VAC        | 600 VAC        | 600 VAC        | 600 VAC      |
|  |                                |                  | 250 VDC        | 250 VDC        | 250 VDC        | 250 VDC      |
| Max. horsepower rating/ motor FLA current          | pf= 0.4...0.5 Three phase      | 240 V            | 125 HP/312.0 A | 200 HP/480.0 A | 250 HP/602.0 A |              |
|  |                                | 480 V            | 250 HP/302.0 A | 400 HP/477.0 A | 500 HP/590.0 A |              |
|  |                                | 600 V            | 350 HP/336.0 A | 500 HP/472.0 A | 500 HP/472.0 A |              |
|  | Single phase                   | 120 V            |                |                |                |              |
|  |                                | 240 V            |                |                |                |              |
| Short circuit rating with fuse, 3 and 4-pole types | Short circuit rating at 600VAC |                  | 200 kA         | 200 kA         | 200 kA         | 200 kA       |
| Fuse   | Max. fuse rating               |                  | 400 A          | 600 A          | 800 A          | 1200 A       |
|  | Type of fuse                   |                  | J              | J              | L              | L            |
| Min. electrical endurance                          | pf= 0.75...0.8                 | operation cycles | 1,000          | 1,000          | 500            | 500          |
| Terminal lug kits                                  |                                |                  | OZXA-400       | OZXA-800       | OZXA-800       | OZXA-1200    |
| Wire range   |                                |                  | #2-600MCM      | (2)#2-600MCM   | (2)#2-600MCM   | (4)#2-600MCM |
| Torque   | Wire tightening                |                  | 375 lb.in      | 500 lb.in      | 500 lb.in      | 500 lb.in    |
|  | Lug mounting                   |                  | 240 lb.in      | 480 lb.in      | 480 lb.in      | 480 lb.in    |

<sup>1</sup> UL listed disconnects are also listed under CSA requirements.

<sup>2</sup> 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4.

## Fusible disconnect switches, UL/CSA

Ordering information for CC and J types, 30...60A



OS30FAJ12

### Fusible disconnect switches, CC and J types, 30A

- Protected IP20 tunnel terminals
- AWG 18 - 8 cable size
- Mechanism in the middle of the switch (except for side operated)

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type        | Order number    |
|--------------------------------------|-----------|-----------------|-------------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |             |                 |
| 30                                   | CC, 30A   | 3               | OS30FACC12  | 1SCA108813R1001 |
| 30                                   | CC, 30A   | 4               | OS30FACC22F | 1SCA108819R1001 |
| 30                                   | J, 30A    | 3               | OS30FAJ12   | 1SCA108824R1001 |
| 30                                   | J, 30A    | 4               | OS30FAJ22F  | 1SCA108829R1001 |



OS30FAJ22F

#### Side operated

| <b>Shaft and handle not included</b> |         |   |             |                 |
|--------------------------------------|---------|---|-------------|-----------------|
| 30                                   | CC, 30A | 3 | OS30FACCS30 | 1SCA108822R1001 |
| 30                                   | J, 30A  | 3 | OS30FAJS30  | 1SCA108834R1001 |



OS30FAJS30

### Fusible disconnect switches, J type, 60A

- Protected IP20 tunnel terminals
- AWG 14 - 4 cable size
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type      | Order number    |
|--------------------------------------|-----------|-----------------|-----------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |           |                 |
| 60                                   | J, 60A    | 2               | OS60GJ02  | 1SCA121900R1001 |
| 60                                   | J, 60A    | 3               | OS60GJ12  | 1SCA115448R1001 |
| 60                                   | J, 60A    | 3               | OS60GJ03  | 1SCA115866R1001 |
| 60                                   | J, 60A    | 4               | OS60GJ04F | 1SCA115445R1001 |



OS60GJ02



OS60GJ03

#### Side operated

| <b>Shaft and handle not included</b> |        |   |            |                 |
|--------------------------------------|--------|---|------------|-----------------|
| 60                                   | J, 60A | 3 | OS60GJS30  | 1SCA116051R1001 |
| 60                                   | J, 60A | 4 | OS60GJS40F | 1SCA115970R1001 |



OS60GJS30

## Fusible disconnect switches, UL/CSA

Ordering information for J-type, 100...200A



OS100GJ02



OS100GJ03



OS100GJS30



OS200J02



OS200J03



OS200JS30

### Fusible disconnect switches, J-type, 100A

- Includes terminal bolt set M8X25
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type       | Order number    |
|--------------------------------------|-----------|-----------------|------------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |            |                 |
| 100                                  | J, 100A   | 2               | OS100GJ02  | 1SCA121932R1001 |
| 100                                  | J, 100A   | 3               | OS100GJ03  | 1SCA115436R1001 |
| 100                                  | J, 100A   | 4               | OS100GJ04F | 1SCA115438R1001 |

#### Side operated

| <b>Shaft and handle not included</b> |         |   |            |                 |
|--------------------------------------|---------|---|------------|-----------------|
| 100                                  | J, 100A | 3 | OS100GJS30 | 1SCA115971R1001 |

### Fusible disconnect switches, J-type, 200A

- Includes terminal bolt set M8X25
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type      | Order number    |
|--------------------------------------|-----------|-----------------|-----------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |           |                 |
| 200                                  | J, 200A   | 2               | OS200J02  | 1SCA107591R1001 |
| 200                                  | J, 200A   | 3               | OS200J12  | 1SCA022758R7990 |
| 200                                  | J, 200A   | 3               | OS200J03  | 1SCA022733R6130 |
| 200                                  | J, 200A   | 4               | OS200J04F | 1SCA022758R9340 |

#### Side operated

| <b>Shaft and handle not included</b> |         |   |           |                 |
|--------------------------------------|---------|---|-----------|-----------------|
| 200                                  | J, 200A | 3 | OS200JS30 | 1SCA022871R3910 |

## Fusible disconnect switches, UL/CSA

Ordering information for J-type, 400...600A



OS400J02

### Fusible disconnect switches, J-type, 400A

- Includes terminal bolt set M10X40
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type      | Order number    |
|--------------------------------------|-----------|-----------------|-----------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |           |                 |
| 400                                  | J, 400A   | 2               | OS400J02  | 1SCA107592R1001 |
| 400                                  | J, 400A   | 3               | OS400J03  | 1SCA022755R0810 |
| 400                                  | J, 400A   | 4               | OS400J04F | 1SCA022755R3660 |



OS400J03

#### Side operated

| Rated current [A]                    | Fuse size | Number of poles | Type       | Order number    |
|--------------------------------------|-----------|-----------------|------------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |            |                 |
| 400                                  | J, 400A   | 3               | OS400JS30  | 1SCA022871R4980 |
| 400                                  | J, 400A   | 4               | OS400JS40F | 1SCA022871R5100 |



OS400JS30

### Fusible disconnect switches, J-type, 600A

- Includes terminal bolt set M8X25
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type      | Order number    |
|--------------------------------------|-----------|-----------------|-----------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |           |                 |
| 600                                  | J, 600A   | 2               | OS600J02  | 1SCA107593R1001 |
| 600                                  | J, 600A   | 3               | OS600J03  | 1SCA022825R8610 |
| 600                                  | J, 600A   | 4               | OS600J04F | 1SCA022839R3900 |



OS600J02

#### Side operated

| Rated current [A]                    | Fuse size | Number of poles | Type       | Order number    |
|--------------------------------------|-----------|-----------------|------------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |            |                 |
| 600                                  | J, 600A   | 3               | OS600JS30  | 1SCA108111R1001 |
| 600                                  | J, 600A   | 4               | OS600JS40F | 1SCA108113R1001 |



OS600J03



OS600JS30

## Fusible disconnect switches, UL/CSA

Ordering information for L-type, 800...1200A



OS800L02

### Fusible disconnect switches, L-type, 800A

- Includes terminal bolt set M10X40
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type      | Order number    |
|--------------------------------------|-----------|-----------------|-----------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |           |                 |
| 800                                  | L, 800A   | 2               | OS800L02  | 1SCA116920R1001 |
| 800                                  | L, 800A   | 3               | OS800L03  | 1SCA022825R9760 |
| 800                                  | L, 800A   | 4               | OS800L04F | 1SCA022839R5350 |



OS800L03

### Fusible disconnect switches, L-type, 1200A

- Includes terminal bolt set M10X50
- Mechanism at the end of the switch

#### Front operated

| Rated current [A]                    | Fuse size | Number of poles | Type       | Order number    |
|--------------------------------------|-----------|-----------------|------------|-----------------|
| <b>Shaft and handle not included</b> |           |                 |            |                 |
| 1200                                 | L, 1200A  | 2               | OS1200L02  | 1SCA116924R1001 |
| 1200                                 | L, 1200A  | 3               | OS1200L03  | 1SCA105467R1001 |
| 1200                                 | L, 1200A  | 4               | OS1200L04F | 1SCA105465R1001 |



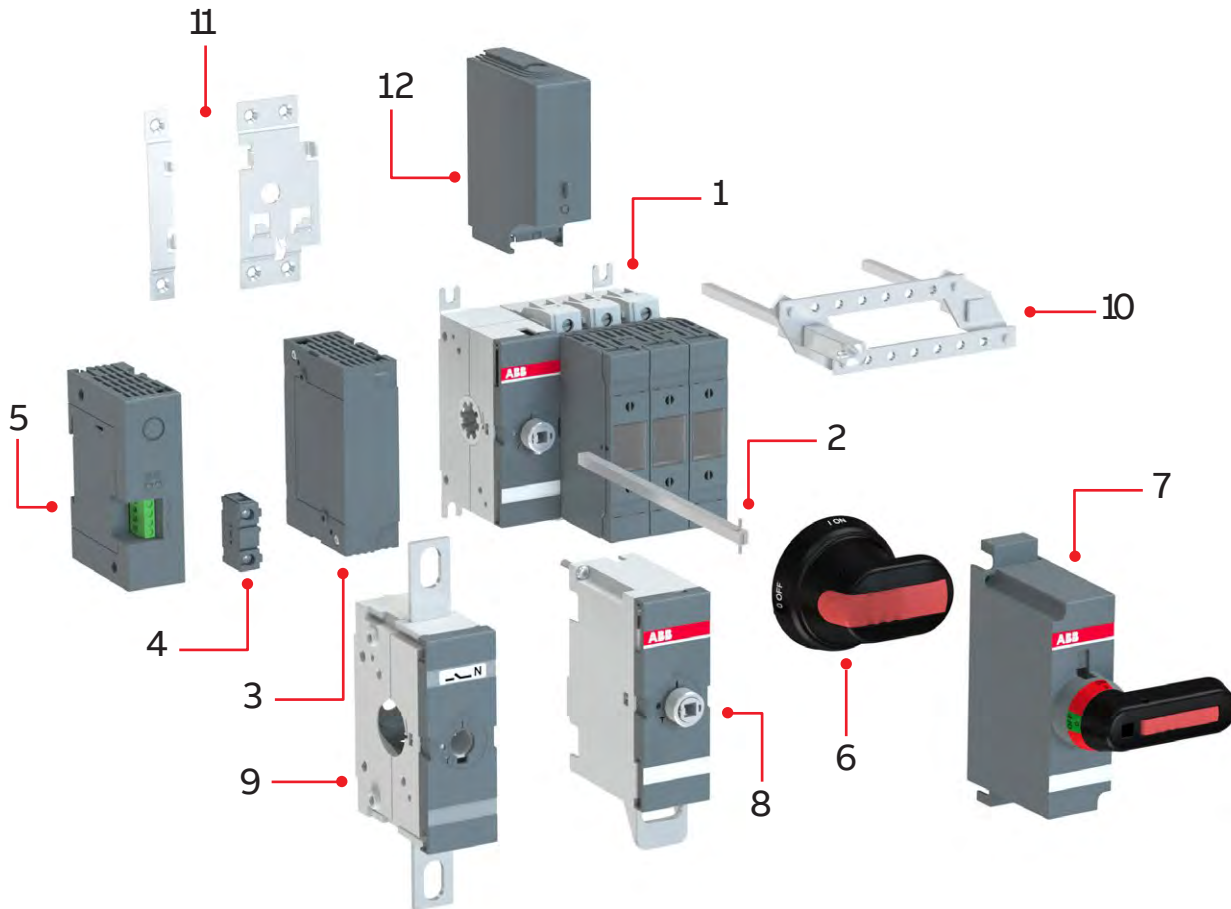
OS1200L02



OS1200L03

## Fusible disconnect switch 60A

### Selection overview



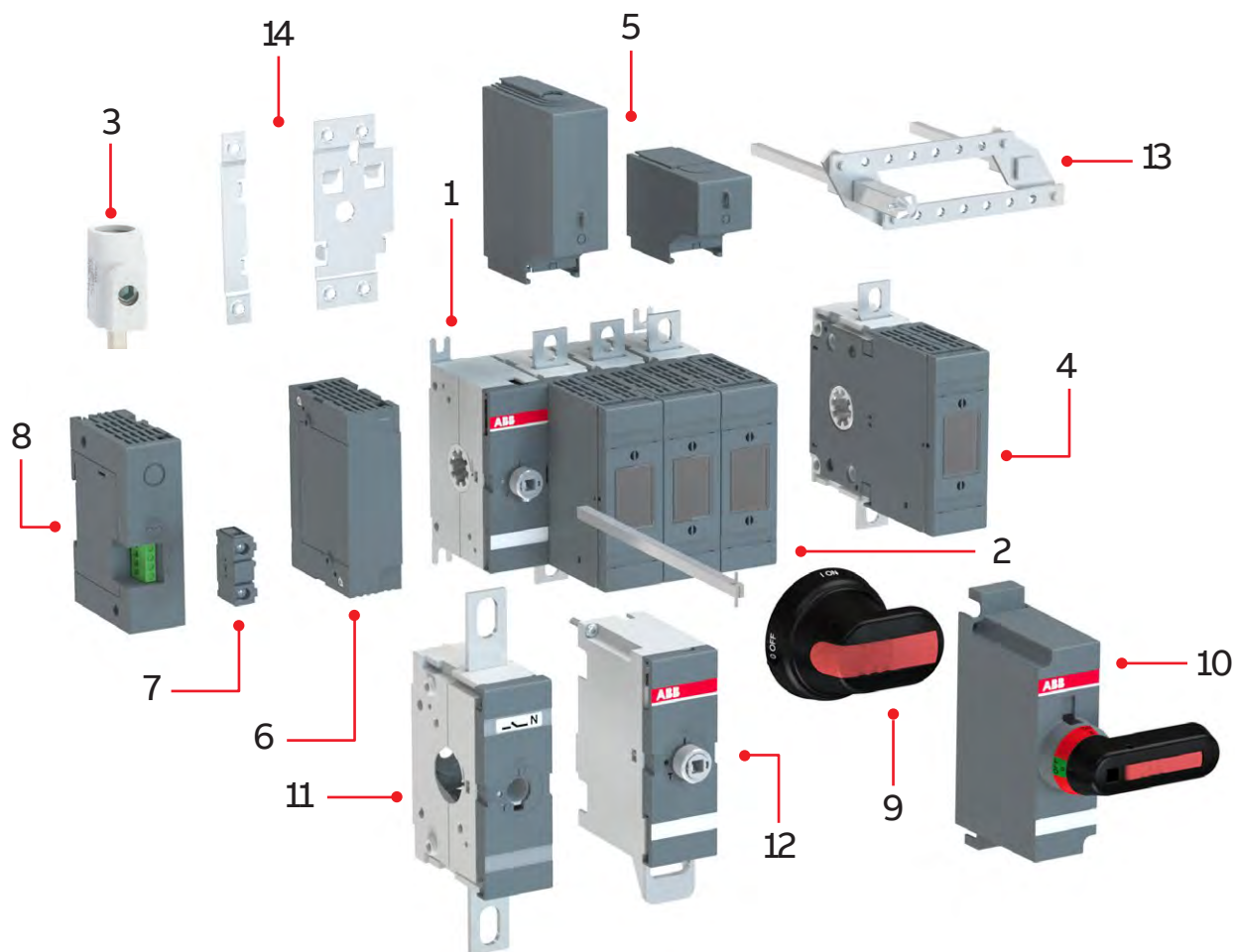
### Accessory guide for OS60G

- |                                  |                            |
|----------------------------------|----------------------------|
| 1. Fusible switch                | 7. Direct mounted handle   |
| 2. Shaft                         | 8. Electrical interlock    |
| 3. Module for auxiliary contacts | 9. Detachable neutral link |
| 4. Auxiliary contact             | 10. Conversion kit         |
| 5. Fuse monitor                  | 11. DIN rail mounting kit  |
| 6. Pistol type handle            | 12. Terminal shroud        |

Please note that listed accessories are not automatically included in your order.  
Ordering information for accessories from pages 9-14 through 9-36.

## Fusible disconnect switches 100...1200A

### Selection overview



### Accessory guide for OS100...1200

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. Fusible switch               | 8. Fuse monitor             |
| 2. Shaft                        | 9. Pistol handle            |
| 3. Terminal clamp               | 10. Direct mount handle     |
| 4. Fourth pole                  | 11. Detachable neutral link |
| 5. Terminal shroud              | 12. Electrical interlock    |
| 6. Module for auxiliary contact | 13. Conversion kit          |
| 7. Auxiliary contact            | 14. DIN rail mounting kit   |

Please note that listed accessories are not automatically included in your order.  
Ordering information for accessories from pages 9-14 through 9-36.

## Accessories for fusible disconnect switches 30...200A

### Ordering information for handles



OHB45J6

#### Pistol handle for front operated fusible switches

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.



OHY65J6

#### For shaft diameter 6mm (for OS30...200)

| Color  | Handle length [mm] | Type    | Order number    | Weight/unit [kg] |
|--|--------------------|---------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/ON-OFF, grey: I-O</b> |                    |         |                 |                  |
| Black  | 45                 | OHB45J6 | 1SCA022380R8770 | 0.13             |
| Red-yellow   | 45                 | OHY45J6 | 1SCA022380R8930 | 0.13             |
| Grey   | 45                 | OHG45J6 | 1SCA022380R8850 | 0.13             |
| Black  | 65                 | OHB65J6 | 1SCA022380R9660 | 0.13             |
| Red-yellow   | 65                 | OHY65J6 | 1SCA022380R9820 | 0.13             |
| Grey   | 65                 | OHG65J6 | 1SCA022380R9740 | 0.13             |
| Black  | 80                 | OHB80J6 | 1SCA022381R0240 | 0.14             |
| Red-yellow   | 80                 | OHY80J6 | 1SCA022381R0410 | 0.14             |
| Grey   | 80                 | OHG80J6 | 1SCA022381R0320 | 0.14             |



OHG80J6

#### NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/ON-OFF

|            |    |         |                 |      |
|------------|----|---------|-----------------|------|
| Black      | 45 | OHB45L6 | 1SCA109848R1001 | 0.14 |
| Red-yellow | 45 | OHY45L6 | 1SCA109849R1001 | 0.14 |
| Metal      | 45 | OHM45L6 | 1SCA111295R1001 | 0.7  |
| Black      | 65 | OHB65L6 | 1SCA022580R9650 | 0.14 |
| Red-yellow | 65 | OHY65L6 | 1SCA109850R1001 | 0.14 |
| Metal      | 65 | OHM65L6 | 1SCA022739R1070 | 0.8  |
| Black      | 80 | OHB80L6 | 1SCA022577R7010 | 0.16 |
| Red-yellow | 80 | OHY80L6 | 1SCA022577R7190 | 0.16 |



OHM65L6

#### NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF, grey: Test/I-O

|            |    |          |                 |      |
|------------|----|----------|-----------------|------|
| Black      | 45 | OHB45J6T | 1SCA109870R1001 | 0.13 |
| Black      | 65 | OHB65J6T | 1SCA022399R8110 | 0.13 |
| Red-yellow | 65 | OHY65J6T | 1SCA022456R9540 | 0.13 |
| Grey       | 65 | OHG65J6T | 1SCA022456R9620 | 0.13 |
| Black      | 80 | OHB80J6T | 1SCA022399R8290 | 0.14 |



OHB65J6T

Door interlocking in the ON-position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection.  
Handles padlockable in all positions are available on request.

## Accessories for fusible disconnect switches 400...1200A

Ordering information for handles



OHB95J12

### Pistol handle for front operated fusible switches

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.



OHY125J12

### For shaft diameter 12mm (for OS400...1200)

| Color  | Handle length [mm] | Type       | Order number    | Weight/unit [kg] |
|--|--------------------|------------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/On-OFF, grey: I-O</b> |                    |            |                 |                  |
| Black  | 95                 | OHB95J12   | 1SCA022381R0830 | 0.15             |
| Red-yellow   | 95                 | OHY95J12   | 1SCA022381R1050 | 0.15             |
| Grey   | 95                 | OHG95J12   | 1SCA022381R0910 | 0.15             |
| Black  | 125                | OHB125J12  | 1SCA022381R1560 | 0.16             |
| Red-yellow   | 125                | OHY125J12  | 1SCA022381R1720 | 0.16             |
| Grey   | 125                | OHG125J12  | 1SCA022381R1640 | 0.16             |
| Black  | 145                | OHB145J12  | 1SCA022381R2110 | 0.17             |
| Red-yellow   | 145                | OHY145J12  | 1SCA022381R2370 | 0.17             |
| Grey   | 145                | OHG145J12  | 1SCA022381R2290 | 0.17             |
| Black  | 175                | OHB175J12  | 1SCA022381R2450 | 0.20             |
| Red-yellow   | 175                | OHY175J12  | 1SCA022381R2700 | 0.20             |
| Grey   | 175                | OHG175J12  | 1SCA022381R2610 | 0.20             |
| Black  | 274                | OHB274J12  | 1SCA115920R1001 | 0.42             |
| Red-yellow   | 274                | OHY274J12  | 1SCA115919R1001 | 0.42             |
| Black  | 330                | OHB330J12  | 1SCA115922R1001 | 0.60             |
| Red-yellow   | 330                | OHY330J12  | 1SCA115921R1001 | 0.60             |
| Black  | 2X 150             | OHB150J12P | 1SCA022865R9430 | 0.44             |
| Red-yellow   | 2X 150             | OHY150J12P | 1SCA101586R1001 | 0.44             |
| Black  | 2X 200             | OHB200J12P | 1SCA022865R9510 | 0.50             |
| Red-yellow   | 2X 200             | OHY200J12P | 1SCA101587R1001 | 0.50             |



OHG145J12

### NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/On-OFF

|            |        |            |                 |      |
|------------|--------|------------|-----------------|------|
| Black      | 125    | OHB125L12  | 1SCA022577R7350 | 0.17 |
| Metal      | 125    | OHM125L12  | 1SCA022739R1150 | 0.80 |
| Black      | 145    | OHB145L12  | 1SCA022577R7510 | 0.18 |
| Red-yellow | 145    | OHY145L12  | 1SCA022577R7600 | 0.18 |
| Black      | 175    | OHB175L12  | 1SCA022577R7780 | 0.20 |
| Red-yellow | 175    | OHY175L12  | 1SCA022577R7860 | 0.20 |
| Metal      | 175    | OHM175L12  | 1SCA022739R1230 | 0.90 |
| Black      | 274    | OHB274L12  | 1SCA120238R1001 | 0.24 |
| Black      | 330    | OHB330L12  | 1SCA120256R1001 | 0.60 |
| Black      | 2X 200 | OHB200L12P | 1SCA111564R1001 | 0.50 |
| Red-yellow | 2X 200 | OHY200L12P | 1SCA111569R1001 | 0.50 |



OHB274J12

### NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF

|            |        |             |                 |      |
|------------|--------|-------------|-----------------|------|
| Black      | 95     | OHB95J12T   | 1SCA022736R1750 | 0.15 |
| Red-yellow | 95     | OHY95J12T   | 1SCA022736R1910 | 0.15 |
| Black      | 125    | OHB125J12T  | 1SCA022652R2220 | 0.16 |
| Red-yellow | 125    | OHY125J12T  | 1SCA022652R2310 | 0.16 |
| Black      | 145    | OHB145J12T  | 1SCA022652R2570 | 0.17 |
| Red-yellow | 145    | OHY145J12T  | 1SCA022652R2650 | 0.17 |
| Black      | 175    | OHB175J12T  | 1SCA022708R0740 | 0.20 |
| Black      | 274    | OHB274J12T  | 1SCA120250R1001 | 0.42 |
| Black      | 330    | OHB330J12T  | 1SCA120252R1001 | 0.60 |
| Black      | 2X 200 | OHB200J12PT | 1SCA106510R1001 | 0.50 |



OHY330J12



OHB150J12P



OHY200J12P



OHM125L12



OHM175L12



OHY95J12T



OHB125J12T



OHB175J12T

Door interlocking in the ON-position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection. Handles padlockable in all positions are available on request.

## Accessories for fusible disconnect switches 30...1200A

### Ordering information for handles



OHB65J6E00S

#### Pistol handles for side operated switch fuses

##### Plastic pistol handles, IP 65, NEMA type 1, 3R, 12

For mounting on the side of the enclosure. Padlockable with three padlocks in the OFF-position, door interlock in the ON-position, IP 65. The position indications are rotated 90°. If the handle is mounted on the front of the door, a standard handle can be used as well.



OHY65J6E00S

#### For shaft diameter 6mm

| Color  | Handle length [mm] | Type         | Order number    | Weight/unit [kg] |
|--|--------------------|--------------|-----------------|------------------|
| <b>Plastic handles, black and red-yellow: I-O/ON-OFF, grey: I-O.</b>           |                    |              |                 |                  |
| Black  | 65                 | OHB65J6E00S  | 1SCA022382R9850 | 0.12             |
| Red-yellow   | 65                 | OHY65J6E00S  | 1SCA022382R9930 | 0.12             |
| <b>Plastic handles, black and red-yellow: Test/I-O/ON-OFF, grey: Test/I-O.</b> |                    |              |                 |                  |
| Black  | 65                 | OHB65J6TE00S | 1SCA109016R1001 | 0.12             |



OHZX14

#### For shaft diameter 12mm

| <b>Plastic handles, indication I-O/ON-OFF</b> |                    |               |                 |                  |
|---|--------------------|---------------|-----------------|------------------|
| Color   | Handle length [mm] | Type          | Order number    | Weight/unit [kg] |
| Black   | 145                | OHB145J12E00S | 1SCA022679R9700 | 0.17             |

Door interlocking in the ON-position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection.  
Handles padlockable in all positions are available on request.

#### Extension ring for pistol handles

| Suitable for handles | Color | Type   | Order number    | Weight/unit [kg] |
|----------------------|-------|--------|-----------------|------------------|
| OHB_                 | Black | OHZX14 | 1SCA022851R6590 | 0.06             |

## Accessories for fusible disconnect switches 30...1200A

Ordering information for handles



OSV250DK



OSV400DK



OSV1250DK



OHB4

### Direct mount handles for front operated switch fuses

Panel board handle, can be padlocked in the OFF-position. Includes a special shaft. The handle can also be used with a standard shaft as padlocking device.

#### Suitable for OS 60...1200

| Suitable for switches   | Color      | Type       | Order number    | Weight/unit [kg] |
|---|------------|------------|-----------------|------------------|
| <b>Indication: Test OFF-ON/Test O-I indication Padlockable with three padlocks in the OFF-position, optionally also in the ON-position. Includes shaft and mechanism cover.</b> |            |            |                 |                  |
| OS60GJ, OS100GJ   | Black      | OSV250DK   | 1SCA022763R3510 | 0.16             |
| OS60GJ, OS100GJ   | Red-yellow | OSVY250DK  | 1SCA022778R6500 | 0.16             |
| OS200J  | Black      | OSV200BK   | 1SCA022779R7530 | 0.14             |
| OS200J  | Red-yellow | OSVY200BK  | 1SCA022779R7700 | 0.14             |
| OS400J  | Black      | OSV400BK   | 1SCA022763R3930 | 0.33             |
| OS400J  | Red-yellow | OSVY400BK  | 1SCA022779R5830 | 0.33             |
| OS600...800   | Black      | OSV800DK   | 1SCA107794R1001 | 1.1              |
| OS600...800   | Red-yellow | OSVY800DK  | 1SCA108703R1001 | 1.1              |
| OS1200  | Black      | OSV1250DK  | 1SCA107797R1001 | 1.5              |
| OS1200  | Red-yellow | OSVY1250DK | 1SCA108702R1001 | 1.5              |

### Direct mount handles for side operated switch fuses

Panel board handle, can be padlocked in the OFF-position. Includes a special shaft. The handle can also be used with a standard shaft as padlocking device.

#### Suitable for OS 30 (OS Mini)

| <b>Padlockable with three padlocks in the OFF- position when the door is open. Max. bail dia 6mm.</b> |       |      |                 |      |
|---|-------|------|-----------------|------|
| OS20F...40F_  | Black | OHB4 | 1SCA022439R4050 | 0.05 |

## Accessories for fusible disconnect switches OS30...1200

Ordering information for shafts



OXP6X\_



OXP12X\_



OETL-ZX95

### Shaft diameter 6mm (for OS30...200)

| Shaft length [mm] | Type     | Order number    | Weight/unit [kg] |
|-------------------|----------|-----------------|------------------|
| 57                | OXP6X57  | 1SCA125050R1001 | 0.01             |
| 63                | OXP6X63  | 1SCA111010R1001 | 0.02             |
| 87                | OXP6X87  | 1SCA109421R1001 | 0.02             |
| 90                | OXP6X90  | 1SCA022064R1180 | 0.03             |
| 108               | OXP6X108 | 1SCA125762R1001 | 0.03             |
| 130               | OXP6X130 | 1SCA022057R0570 | 0.04             |
| 150               | OXP6X150 | 1SCA022295R5600 | 0.05             |
| 158               | OXP6X158 | 1SCA122303R1001 | 0.05             |
| 161               | OXP6X161 | 1SCA022067R1760 | 0.05             |
| 170               | OXP6X170 | 1SCA108224R1001 | 0.05             |
| 210               | OXP6X210 | 1SCA022295R6080 | 0.06             |
| 265               | OXP6X265 | 1SCA108225R1001 | 0.08             |
| 290               | OXP6X290 | 1SCA022042R6370 | 0.08             |
| 310               | OXP6X310 | 1SCA022720R5710 | 0.09             |
| 360               | OXP6X360 | 1SCA022042R6530 | 0.10             |
| 400               | OXP6X400 | 1SCA108226R1001 | 0.12             |
| 430               | OXP6X430 | 1SCA022056R6030 | 0.12             |
| 500               | OXP6X500 | 1SCA109416R1001 | 0.14             |
| 700               | OXP6X700 | 1SCA022131R9580 | 0.19             |

### Shaft diameter 12mm (for OS400...1200)

| Shaft length [mm] | Type      | Order number    | Weight/unit [kg] |
|-------------------|-----------|-----------------|------------------|
| 166               | OXP12X166 | 1SCA022325R7100 | 0.18             |
| 185               | OXP12X185 | 1SCA022325R6710 | 0.20             |
| 220               | OXP12X220 | 1SCA022063R9610 | 0.24             |
| 250               | OXP12X250 | 1SCA022325R6980 | 0.30             |
| 280               | OXP12X280 | 1SCA022137R5140 | 0.30             |
| 325               | OXP12X325 | 1SCA022042R5810 | 0.36             |
| 395               | OXP12X395 | 1SCA022042R5990 | 0.43             |
| 465               | OXP12X465 | 1SCA022042R6020 | 0.51             |
| 535               | OXP12X535 | 1SCA022042R6110 | 0.59             |
| 625               | OXP12X625 | 1SCA022139R0020 | 0.70             |

### Shaft extension socket

For extending the shaft

| Suitable for shaft diameter [mm] | Type      | Order number    | Weight/unit [kg] |
|----------------------------------|-----------|-----------------|------------------|
| 12                               | OETL-ZX95 | 1SCA022083R5620 | 0.04             |

## Accessories for fusible disconnect switches OS Mini 30A

Ordering information for auxiliary contacts



OA4B10



MCB-10



OA3G01



OSZ4



OESAZX169

### Auxiliary contacts for OS30F (OS Mini)

Units/type = 1 piece

#### Mounting to the switch mechanism

| Description  | Type   | Order number    | Weight/unit [kg] |
|--|--------|-----------------|------------------|
| <b>Change over contacts</b><br>Auxiliary/test contacts. Max. two change over contacts. |        |                 |                  |
| See function chart below   | OA4B1C | 1SCA022193R0150 | 0.03             |
| <b>Single pole contacts</b><br>> 3mm contact gap                                       |        |                 |                  |
| 1 NO   | OA4B10 | 1SCA022276R9050 | 0.03             |
| 1 NC   | OA4B01 | 1SCA022276R9210 | 0.03             |

#### Mounting on the side of the switch

| Description   | Type     | Order number    | Weight/unit [kg] |
|---|----------|-----------------|------------------|
| <b>Mounting on the side of the switch with aux. contact frame OESA-ZX169</b>  |          |                 |                  |
| 1NO   | MCB-10   | 1SCA022150R5110 | 0.03             |
| 1NC   | MCB-01   | 1SCA022150R5370 | 0.03             |
| <b>Snap-on mounting on the switch, by using a frame OSZ4, IP20</b>  |          |                 |                  |
| <b>NO contacts are provided with a positive opening feature.</b><br><b>Types _AU have gold plated contacts for harsh environments and low operating voltages.</b> |          |                 |                  |
| 1 NO  | OA1G10   | 1SCA022353R4970 | 0.03             |
| 1 NC  | OA3G01   | 1SCA022456R7410 | 0.03             |
| 1 NO  | OA1G10AU | 1SCA022436R7910 | 0.03             |
| 1 NC  | OA3G01AU | 1SCA022819R5260 | 0.03             |

#### Mounting frames for auxiliary contacts of OS30F (OS Mini)

| Description   | Amount of auxiliary contacts [pcs] | Type       | Order number    | Weight/unit [kg] |
|---|------------------------------------|------------|-----------------|------------------|
| <b>Frame for auxiliary contacts OA1G10 and OA3G01 and for fuse monitor OFM_</b>   |                                    |            |                 |                  |
| Mounting on the left side of the switch   | max. 6                             | OSZ4       | 1SCA022530R0200 | 0.06             |
| <b>Frame for MCB- auxiliary contacts. Not suitable for side operated switches</b> |                                    |            |                 |                  |
| Mounting on the right side of the switch  | max. 6                             | OESA-ZX169 | 1SCA022196R9360 | 0.06             |

#### Function chart, change over contacts OA4B1C/OS Mini

| Handle position | Main contacts | Aux./Test contacts N.O. |
|-----------------|---------------|-------------------------|
| Test            | open          | closed                  |
| 0               | open          | open                    |
| I               | closed        | closed                  |

## Accessories for fusible disconnect switches 60...1200A

### Ordering information for auxiliary contacts



OA1G10, OA3G01

#### Auxiliary contact blocks for OS60...1200

| Suitable for switches | Description | Protection degree | Type                  | Order number    | Weight/unit [kg] |
|-----------------------|-------------|-------------------|-----------------------|-----------------|------------------|
| OS60...1200           | 1NO         | IP20              | OA1G10                | 1SCA022353R4970 | 0.03             |
|                       | 1NC         | IP20              | OA3G01                | 1SCA022456R7410 | 0.03             |
|                       | 1NO         | IP20              | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03             |
|                       | 1NC         | IP20              | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03             |

<sup>1</sup>Types \_AU have gold plated contacts for harsh environments and low operating voltages.

#### Mounting under the mechanism cover

The “test” contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position = 45 degrees over the OFF-position. The “test indication” contacts operate only when the handle is turned to TEST-position. See the function table below. The OA1G10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, “test” or “test indication” contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction. In order to activate the “test” and “test indication” features, a handle with test function is required. See the optional handles, pages 9-14 through 9-18.

#### Function table of OS60...1200 auxiliary contacts

| Handle position | Main contacts | Aux./Test contacts N.O. | Test indication contacts N.O |
|-----------------|---------------|-------------------------|------------------------------|
| Test            | open          | closed                  | closed                       |
| 0               | open          | open                    | open                         |
| I               | closed        | closed                  | open                         |

Maximum number of contact blocks, “Aux./test” contacts and “test indication” contacts, see the table below. Standard versions include all except for N3-types, which are equipped with integrated neutral through the mechanism.

#### Maximum number of auxiliary contacts under the mechanism cover

|                                  | OS60...200 |    | OS400...800 |    | OS1200         |                |
|----------------------------------|------------|----|-------------|----|----------------|----------------|
|                                  | Standard   | N3 | Standard    | N3 | Standard       | N3             |
| Maximum number of contact blocks | 4          | 0  | 8           | 4  | 12             | 8              |
| Aux./Test contacts               | 4          | 0  | 4           | 2  | 8 <sup>1</sup> | 6 <sup>2</sup> |
| Test indication contacts         | 2          | 0  | 4           | 2  | 4              | 2              |

For contact timing, see page 9-21.

<sup>1</sup>6 aux./test contacts and 2 early operation aux./test contacts.

<sup>2</sup>4 aux./test contacts and 2 early operation aux./test contacts.

#### Mounting on the left side of the OS switch fuse:

Maximum 8 auxiliary contact blocks (N.O. or N.C.) with the OEA28 module. Side operated types: OS\_S30...\_S40 types only.



OEA28

#### Module for auxiliary contacts for OS60...1200

| Description                                   | Type  | Order number    | Weight/unit [kg] |
|---|-------|-----------------|------------------|
| Screw mounting to the left side of the switch | OEA28 | 1SCA022714R8810 | 0.04             |

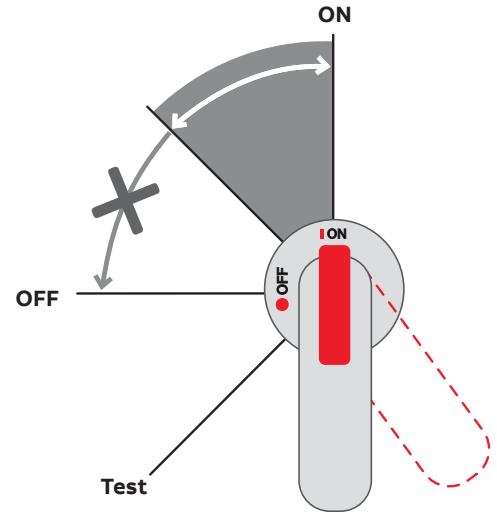
## Accessories for fusible disconnect switches OS Mini 30A

### Technical information for auxiliary contacts

#### Handle indications and functions

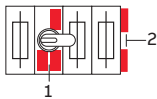
The handle indicates the position of the contacts with complete reliability in all situations. If the contacts are welded together, the handle doesn't reach the OFF-position but remains between ON and OFF, maintaining the door interlock and padlocking is not possible to do.

When operating the switch fuse to the Test-position with a test handle the test auxiliary contacts change position. The main contacts remain open.

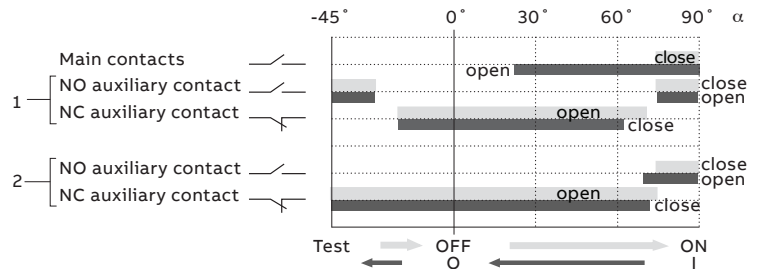


#### ON and OFF-functions of main and auxiliary contacts

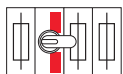
##### Example



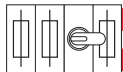
Places of auxiliary contacts and Test ind.



##### OS Mini

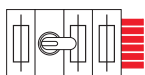
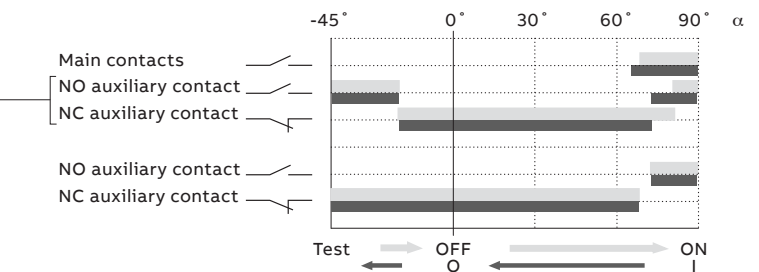


OA4B1C, 1 NO-NC

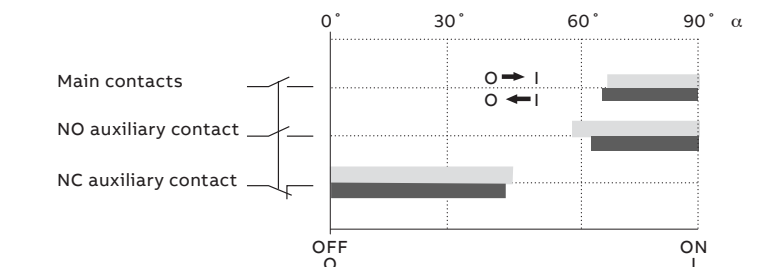


OA1G10, 1NO  
OA3G01, 1NC

Change over contacts



MCB-10 + OESA-ZX169, 1NO  
MCB-01 + OESA-ZX169, 1NC

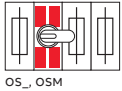


# Accessories for fusible disconnect switches 60...1200A

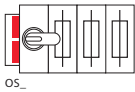
## Technical information for auxiliary contacts

### ON- and OFF-functions of main and auxiliary contacts

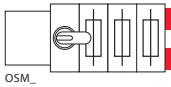
OS60...1200



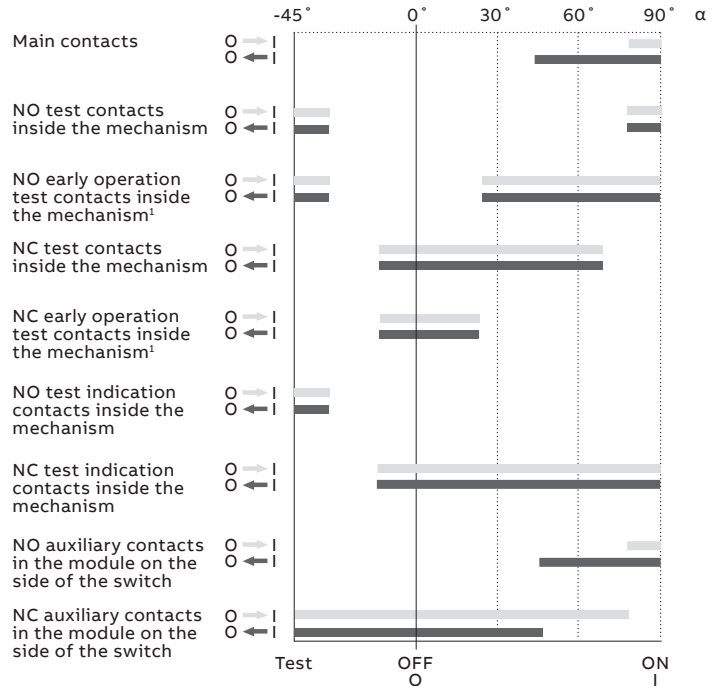
OA1G10, 1NO  
OA3G01, 1NC



OA1G10, 1NO  
OA3G01, 1NC  
+ OEA28



OA1G10, 1NO  
OA3G01, 1NC



<sup>1</sup> OS1200 only

## Accessories for fusible disconnect switches 60...1200A

Ordering information for fourth poles



OSP200J



OSP160GN



OSP250N



OSP800N

### Fourth poles

Snap-on mounting to the side of the switch.

| Suitable for 3-pole switches | Mounting side | Type     | Order number    | Weight/unit [kg] |
|------------------------------|---------------|----------|-----------------|------------------|
| <b>Fusible 4 poles</b>       |               |          |                 |                  |
| OS200J                       | Left/right    | OSP200J  | 1SCA022735R9000 | 1.20             |
| OS400J                       | Left/right    | OSP400J  | 1SCA151737R1001 | 2.00             |
| OS600J                       | Left/right    | OSP600J  | 1SCA151731R1001 | 4.20             |
| OS800L                       | Left/right    | OSP800L  | 1SCA151732R1001 | 4.20             |
| OS1200L                      | Left/right    | OSP1200L | 1SCA151730R1001 | 7.20             |
| <b>Switched 4 poles</b>      |               |          |                 |                  |
| OS100G                       | Left/right    | OSP160GN | 1SCA114770R1001 | 0.45             |
| OS200                        | Left/right    | OSP200N  | 1SCA022735R8700 | 1.20             |
| OS400                        | Left/right    | OSP400N  | 1SCA022770R3490 | 1.20             |
| OS600...800                  | Left/right    | OSP800N  | 1SCA100432R1001 | 4.40             |
| OS1200                       | Left/right    | OSP1250N | 1SCA107943R1001 | 7.20             |

## Accessories for fusible disconnect switches 30...1200A

Ordering information for neutral links, solid links, and phase barriers



OSZ1

### Neutral links

#### For OS Mini OS30F

Detachable, mounting onto base plate or DIN-rail

| Max. wire          | H/W/D [mm] | Mounting holes     | Type       | Order number    | Weight/unit [kg] |
|--------------------|------------|--------------------|------------|-----------------|------------------|
| 16 mm <sup>2</sup> | 39/41/40   | ø 4.2, distance 35 | OESA-ZX171 | 1SCA022197R2580 | 0.06             |



OXN250

#### For OS60G...100G

Detachable, mounting onto the base plate or DIN-rail

| Max. wire             | H/W/D [mm] | Mounting holes     | Type | Order number    | Weight/unit [kg] |
|-----------------------|------------|--------------------|------|-----------------|------------------|
| 16 mm <sup>2</sup> Cu | 39/41/40   | ø 4.2, distance 32 | OSZ1 | 1SCA022481R3710 | 0.06             |
| 35 mm <sup>2</sup> Cu | 39/44/45   | ø 4.2, distance 35 | OSZ2 | 1SCA022481R3800 | 0.07             |



OXN400

#### For OS60...1200

Mounting with screws (included) onto either side of the switch or on the base plate according to the table below.

| Suitable for switches                         | Type     | Order number    | Weight/unit [kg] |
|---|----------|-----------------|------------------|
| <b>Detachable, mounting on the switch</b>     |          |                 |                  |
| OS200   | OXN250   | 1SCA022752R9950 | 0.40             |
| <b>Detachable, mounting on the base plate</b> |          |                 |                  |
| OS60...200                                    | OXN250   | 1SCA022752R9950 | 0.40             |
| OS400   | OXN400   | 1SCA022770R3060 | 0.70             |
| OS600...800                                   | OXN800S  | 1SCA022831R4880 | 1.20             |
| OS1200  | OXN1250S | 1SCA104163R1001 | 2.50             |



OXN800S

### Solid links

| Suitable for switches | Type   | Order number    | Weight/unit [kg] |
|-----------------------|--------|-----------------|------------------|
| OS200                 | OEZNL1 | 1SCA022723R7400 | 0.19             |
| OS600...1200          | OEZNL8 | 1SCA113998R1001 | 0.58             |



KT7PBH

### Phase barriers

The phase barriers designed for ABB Tmax T4-T5 MCCB's can also be used for OS200...400 switch fuses. 3-pole switch fuses need 4 barriers and 4-pole switch fuses need 6 barriers for full protection. Cutting width of the phase barrier 55mm.

| Suitable for switches | No. of poles | Height h [mm] | Type     | Order number    | Units/type [pcs] |
|-----------------------|--------------|---------------|----------|-----------------|------------------|
| OS100G...OS200        | 3            | -             | OSB160/4 | 1SCA131820R1001 | 4                |
| OS100G...OS200        | 3            | -             | OSB160/6 | 1SCA131821R1001 | 6                |
| OS400                 | 3            | 200           | KT7PBH-3 | 1SDA054972R1    | 4                |
| OS400                 | 4            | 200           | KT7PBH-4 | 1SDA054973R1    | 6                |

## Accessories for fusible disconnect switches 100...1200A

Ordering information for terminal shrouds



OSS200G1L



OSS200G1S



OSS400G1L



OSS800G1L



OSS800G1S



OSS250G1SH

### Terminal shrouds

| Suitable for switches  | Description | Type         | Order number    | Units/ type [pcs] | Weight/ unit [kg] |
|--|-------------|--------------|-----------------|-------------------|-------------------|
| <b>Pack of single pole terminal shrouds</b>  |             |              |                 |                   |                   |
| <b>Snap-on mounting, grey plastic, IP 3X from front. Transparent shrouds available on request.</b> |             |              |                 |                   |                   |
| OS100G   | Long type   | OSS160GG1L/3 | 1SCA114764R1001 | 3                 | 0.08              |
| OS100G   | Short type  | OSS160GG1S/3 | 1SCA114766R1001 | 3                 | 0.05              |
| OS100G   | Long type   | OSS160GG1L/4 | 1SCA114765R1001 | 4                 | 0.11              |
| OS100G   | Short type  | OSS160GG1S/4 | 1SCA114767R1001 | 4                 | 0.07              |
| OS200  | Long type   | OSS200G1L/3  | 1SCA022731R8910 | 3                 | 0.09              |
| OS200  | Short type  | OSS200G1S/3  | 1SCA022732R0130 | 3                 | 0.06              |
| OS200  | Long type   | OSS200G1L/4  | 1SCA022731R9040 | 4                 | 0.12              |
| OS200  | Short type  | OSS200G1S/4  | 1SCA022732R0050 | 4                 | 0.08              |
| OS400  | Long type   | OSS400G1L/3  | 1SCA022776R6650 | 3                 | 0.18              |
| OS400  | Short type  | OSS400G1S/3  | 1SCA022776R6900 | 3                 | 0.10              |
| OS400  | Long type   | OSS400G1L/4  | 1SCA022776R6730 | 4                 | 0.25              |
| OS400  | Short type  | OSS400G1S/4  | 1SCA022776R7030 | 4                 | 0.15              |
| OS600...800  | Long type   | OSS800G1L/3  | 1SCA022776R7200 | 3                 | 0.53              |
| OS600...800  | Short type  | OSS800G1S/3  | 1SCA022776R7540 | 3                 | 0.21              |
| OS600...800  | Long type   | OSS800G1L/4  | 1SCA022776R7380 | 4                 | 0.70              |
| OS600...800  | Short type  | OSS800G1S/4  | 1SCA022776R7460 | 4                 | 0.28              |
| OS1200   | Long type   | OSS1250G1L/3 | 1SCA107938R1001 | 3                 | 0.76              |
| OS1200   | Short type  | OSS1250G1S/3 | 1SCA107939R1001 | 3                 | 0.40              |
| OS1200   | Long type   | OSS1250G1L/4 | 1SCA107940R1001 | 4                 | 1.00              |
| OS1200   | Short type  | OSS1250G1S/4 | 1SCA107941R1001 | 4                 | 0.52              |

Please consult us when using OS600J...OS800L with OZXA-800 lugs.

## Accessories for fusible disconnect switches 100...400A

### Ordering information for terminal shrouds



OSS160GG3LS



OSS400G3LS

#### Terminal shrouds:

##### Three and four pole terminal shrouds for side terminals (LR types)

IP20. Snap-on mounting, grey plastic.

| Suitable for switches | No. of poles | Remarks    | Type        | Order number    | Units/type [pcs] | Weight/unit [kg] |
|-----------------------|--------------|------------|-------------|-----------------|------------------|------------------|
| OS100G_LR             | 3            | Long type  | OSS160GG3LS | 1SCA121570R1001 | 1                | 0.01             |
| OS200...400_          | 3            | Short type | OSS400G3SS  | 1SCA100390R1001 | 1                | 0.01             |
| OS200...400_          | 3            | Long type  | OSS400G3LS  | 1SCA100396R1001 | 1                | 0.01             |

##### Single pole shroud for terminal clamps

Snap-on mounting, transparent plastic, IP 2X.

| Suitable for clamps | Type   | Order number    | Units/type [pcs] | Weight/unit [kg] |
|---------------------|--------|-----------------|------------------|------------------|
| OZXB2, 2L           | OZXB2K | 1SCA022264R0010 | 3                | 0.06             |
| OZXB3, 4            | OZXB3K | 1SCA022264R0440 | 3                | 0.18             |
| OZXB5, 6            | OZXB4K | 1SCA022199R2850 | 3                | 0.24             |
| OZXB7, 7L           | OZXB5K | 1SCA022283R8040 | 3                | 0.15             |

## Accessories for fusible disconnect switches 60...1200A

Ordering information for terminal clamp sets



OZXT1

### Terminal clamp sets

| Suitable for switches     | Cable cross section [mm²] | Type  | Order number    | Units/type [pcs] | Weight/unit [kg] |
|---------------------------|---------------------------|-------|-----------------|------------------|------------------|
| <b>Insulated versions</b> |                           |       |                 |                  |                  |
| OS60G                     | 16...50 Al, 2.5...50 Cu   | OZXT1 | 1SCA022469R6310 | 3                | 0.05             |



OZXB8

### OZXB-type Al/Cu connectors made of stainless steel

| Suitable for switches | Cable cross section [mm²] | Suitable shroud | Type   | Order number    | Units/type [pcs] | Weight/unit [kg] |
|-----------------------|---------------------------|-----------------|--------|-----------------|------------------|------------------|
| OS100G                | 10...70                   | OSS160G_        | OZXB1L | 1SCA022169R2030 | 3                | 0.15             |
| OS100G                | 95...185                  | OSS160G_        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| OS200                 | 10...70                   | OSS200_L        | OZXB1L | 1SCA022169R2030 | 3                | 0.15             |
| OS200                 | 25...120                  | OZXB2K          | OZXB2  | 1SCA022119R7610 | 3                | 0.34             |
| OS200                 | 25...120                  | OZXB2K          | OZXB2L | 1SCA022158R7750 | 3                | 0.42             |
| OS200                 | 95...185                  | OSS200_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| OS200                 | 95...240                  | OSS200_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |
| OS400                 | 25...120                  | OSS400_L        | OZXB2L | 1SCA022158R7750 | 3                | 0.42             |
| OS400                 | 95...185                  | OZXB3K          | OZXB3  | 1SCA022136R8100 | 3                | 1.30             |
| OS400                 | 2x(95...185)              | OZXB3K          | OZXB4  | 1SCA022137R4760 | 3                | 1.70             |
| OS400                 | 120...300                 | OZXB4K          | OZXB5  | 1SCA022137R2470 | 3                | 2.30             |
| OS400                 | 2x(120...300)             | OZXB4K          | OZXB6  | 1SCA022137R4920 | 3                | 3.03             |
| OS400                 | 120...240                 | OZXB5K          | OZXB7  | 1SCA022185R0040 | 3                | 1.00             |
| OS400                 | 95...185                  | OSS400_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| OS400                 | 95...240                  | OSS400_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |
| OS600...800           | 95...185                  | OSS800_L        | OZXB3  | 1SCA022136R8100 | 3                | 1.30             |
| OS600...800           | 2x(95...185)              | OSS800_L        | OZXB4  | 1SCA022137R2470 | 3                | 1.70             |
| OS600...800           | 120...300                 | OSS800_L        | OZXB5  | 1SCA022137R2470 | 3                | 2.30             |
| OS600...800           | 2x(120...300)             | OSS800_L        | OZXB6  | 1SCA022137R4920 | 3                | 3.03             |
| OS600...800           | 120...240                 | OSS800_L        | OZXB7L | 1SCA022185R7130 | 3                | 1.20             |
| OS600...800           | 95...185                  | OSS800_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| OS600...800           | 95...240                  | OSS800_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |
| OS1200                | 95...185                  | OTS1600_L       | OZXB3  | 1SCA022136R8100 | 3                | 1.30             |
| OS1200                | 2x(95...185)              | OTS1600_L       | OZXB4  | 1SCA022137R4760 | 3                | 1.70             |
| OS1200                | 120...300                 | OTS1600_L       | OZXB5  | 1SCA022137R2470 | 3                | 2.03             |
| OS1200                | 2x(120...300)             | OTS1600_L       | OZXB6  | 1SCA022137R4920 | 3                | 3.03             |
| OS1200                | 210...240                 | OTS1600_L       | OZXB7L | 1SCA022185R7130 | 3                | 1.20             |
| OS1200                | 95...185                  | OTS1600_L       | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| OS1200                | 95...240                  | OTS1600_L       | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |



OZXB2L

## Accessories for fusible disconnect switches 100...1200A

Ordering information for terminal lugs



OZXA-200



OZXA-400



OZXA-800



OZXA-1200

### Terminal lug kits from Al- and Cu-cables for UL/CSA disconnect switches

One kit includes 6 pcs.

| Suitable for switches | Cable size          | Type      | Tightening torque [lb.in/Nm] | Weight/unit [kg] | Weight/unit [lb] |
|-----------------------|---------------------|-----------|------------------------------|------------------|------------------|
| OS100                 | AWG 14 - 2/0        | OZXA-24   | 120/13.6                     | 0.21             | 0.45             |
| OS200                 | AWG 4 - 300 MCM     | OZXA-200  | 275/31.1                     | 0.04             | 0.09             |
| OS400                 | AWG 2 - 600 MCM     | OZXA-400  | 375/42.4                     | 0.05             | 0.12             |
| OS600...800           | 2 X AWG 2 - 600 MCM | OZXA-800  | 500/56.5                     | 0.21             | 0.45             |
| OS1200                | 4 X AWG 2 - 600 MCM | OZXA-1200 | 500/56.5                     | 0.45             | 0.98             |

### Technical data for terminal lugs

| Description                          |                     |
|--------------------------------------|---------------------|
| UL approval file                     | E60207              |
| Temperature rating, °C               | 75                  |
| Wire tightening Type of tool         | Allen (Hex) wrench  |
| Lug mounting                         | Bolt & nut mounting |
| AWG (American Wire Gauge) wire class | B.C                 |

## Accessories for fusible disconnect switches 60...1200A

Ordering information for conversion kits



OESAZW2

### Conversion kits for front operated combination switches

| Suitable for switches | Switches needed [pcs] | Shaft distance [mm] | Type | Order number | Units/type [pcs] | Weight/unit [kg] |
|-----------------------|-----------------------|---------------------|------|--------------|------------------|------------------|
|-----------------------|-----------------------|---------------------|------|--------------|------------------|------------------|

#### 6 and 8-pole switch mechanism

Parallel attachment for connecting 3- and 4-pole switches. The switches work simultaneously.

##### 6 and 8-pole switches, OS60-400

The attachment levers are provided with holes, enabling different shaft distances.  
The combination switches can be mounted either horizontally or vertically.

|            |                  |                                |         |                 |   |      |
|------------|------------------|--------------------------------|---------|-----------------|---|------|
| OS60...200 | Two 3- or 4-pole | 45...240mm, step distance 15mm | OESAZW2 | 1SCA022078R1600 | 1 | 0.37 |
| OS400      | Two 3- or 4-pole | 60...440mm, step distance 20mm | OETLZW9 | 1SCA022061R3300 | 1 | 1.1  |



OTZW25

#### Change-over switch mechanism

Two switches connected with a mechanism operating into I-O-II positions.

|            |                  |                                 |          |                 |   |     |
|------------|------------------|---------------------------------|----------|-----------------|---|-----|
| OS60...200 | Two 3- or 4-pole | 210...570mm, step distance 20mm | OTZW25   | 1SCA022778R6920 | 1 | 2.8 |
| OS400      | Two 3- or 4-pole | 210...430mm, step distance 20mm | OETLZW11 | 1SCA022078R0030 | 1 | 3.0 |
| OS400      | Two 3- or 4-pole | 210...610mm, step distance 20mm | OETLZW12 | 1SCA022078R0200 | 1 | 4.6 |



OTZW26

#### Bypass switch mechanism

A combination of two switches in parallel with a third switch for change-over operation to bypass, for example, a breaker for maintenance. The bypass attachment can be used together with another combination attachment.

|             |                    |                                 |          |                 |   |     |
|-------------|--------------------|---------------------------------|----------|-----------------|---|-----|
| OS60...200  | Three 3- or 4-pole | -                               | OTZW26   | 1SCA022778R7060 | 1 | 3.3 |
| -           | Between 1 and 2:   | 210...390mm, step distance 20mm | -        | -               | - | -   |
| -           | Between 1 and 3:   | 250...430mm, step distance 20mm | -        | -               | - | -   |
| OS400...800 | Three 3- or 4-pole | -                               | OETLZW13 | 1SCA022078R0460 | 1 | 4.0 |
| -           | Between 1 and 2:   | 210...570mm, step distance 20mm | -        | -               | - | -   |
| -           | Between 1 and 3:   | 250...610mm, step distance 20mm | -        | -               | - | -   |



OETLZW14

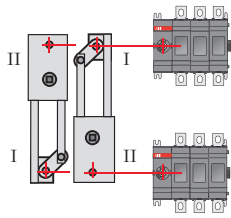
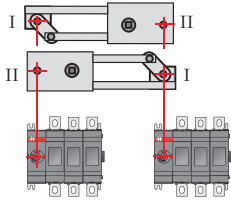
#### Mechanical interlock mechanism

Prevents one switch from closing to ON -position, if the other is not in OFF - position.  
OTZW/OETLZW-types: When mounted upside down, prevents one switch from opening to OFF-position, if the other is not in the ON-position. (UPS-usage, make-before-break)

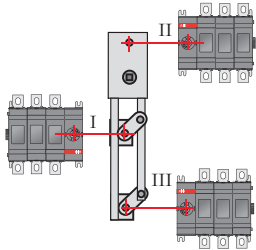
|              |                  |     |          |                 |   |      |
|--------------|------------------|-----|----------|-----------------|---|------|
| OS60...200   | Two 3- or 4-pole | 190 | OTZW10   | 1SCA022431R5280 | 1 | 0.40 |
| OS400...800  | Two 3- or 4-pole | 250 | OETLZW14 | 1SCA022077R3410 | 1 | 0.70 |
| OS400...800  | Two 3- or 4-pole | 300 | OETLZW3  | 1SCA022049R0380 | 1 | 0.80 |
| OS400...1200 | Two 3- or 4-pole | 500 | OETLZW15 | 1SCA022081R9340 | 1 | 1.24 |

## Accessories for fusible disconnect switches 60...1200A

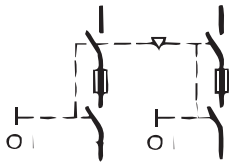
Ordering information for conversion kits



Change-over switches



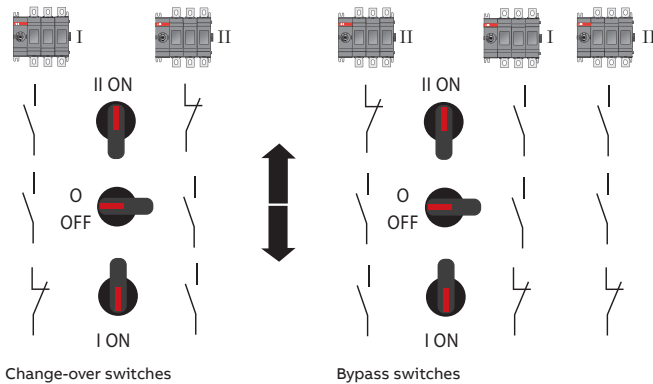
Change-over and bypass switches



Mechanical interlock

### Shafts and handles for conversion kits

| Conversion kit type          | Shaft | To be ordered separately |           | Included in the conversion kit delivery | The standard handle or shaft of one of the combined switches can be used |       |
|------------------------------|-------|--------------------------|-----------|---|--|-------|
|                              |       | Handle                   | Shaft     |   | Handle   | Shaft |
| <b>6 and 8-pole switches</b> |       |                          |           |   |  |       |
| OESAZW2                      | -     | -                        | x (2 pcs) | OHB145J12                               | -  | -     |
| OETLZW9                      | -     | -                        | -         | -                                       | x  | x     |
| <b>Change-over switches</b>  |       |                          |           |   |  |       |
| OTZW25                       | -     | -                        | x (2 pcs) | OHB95J12E011                            | -  | -     |
| OETLZW11                     | -     | -                        | x (2 pcs) | OHB145J12E011                           | -  | -     |
| OETLZW12                     | -     | -                        | x (2 pcs) | YASDA21                                 | -  | -     |
| <b>Bypass switches</b>       |       |                          |           |   |  |       |
| OTZW26                       | -     | -                        | x (3 pcs) | OHB95J12E011                            | -  | -     |
| OETLZW13                     | -     | -                        | x (3 pcs) | YASDA 6                                 | -  | -     |
| <b>Mechanical interlock</b>  |       |                          |           |   |  |       |
| OTZW10                       | -     | -                        | -         | -                                       | x  | x     |
| OETLZW14                     | -     | -                        | -         | -                                       | x  | x     |
| OETLZW3                      | -     | -                        | -         | -                                       | x  | x     |
| OETLZW15                     | -     | -                        | -         | -                                       | x  | x     |



## Accessories for fusible disconnect switches 30...1200A

Ordering information for electronic fuse monitor



OFM260



OFS260



OFD500EA



OFMZ2



OSZ4

### Electronic fuse monitor

Includes the auxiliary contacts 1NO + 1NC. More information, see brochure OFM\_OFS20GB.

### OS Mini 30A

Mounting onto the left side of OS Mini (with a frame OSZ4) or on mounting plate.

| Rated voltage [V] | Approvals       | Type   | Order number    | Weight/unit [kg] |
|-------------------|-----------------|--------|-----------------|------------------|
| 120...240/AC      | IEC, UL and CSA | OFM240 | 1SCA022579R1340 | 0.2              |
| 120...260/AC      | IEC             | OFM260 | 1SCA022459R8560 | 0.14             |
| 380...600/AC      | IEC, UL and CSA | OFM600 | 1SCA022579R1260 | 0.2              |
| 380...690/AC      | IEC             | OFM690 | 1SCA022459R8480 | 0.14             |

### OS60...1200

Mounting onto the left side of fusible switch, on DIN rail or on mounting plate.

| Rated voltage [V] | Approvals | Type     | Order number    | Weight/unit [kg] |
|-------------------|-----------|----------|-----------------|------------------|
| 100...260/AC      | IEC       | OFS260   | 1SCA022716R0180 | 0.16             |
| 380...690/AC      | IEC       | OFS690   | 1SCA022715R9920 | 0.16             |
| 45...140/DC       | IEC       | OFD110EA | 1SCA121775R1001 | 0.155            |
| 135...550/DC      | IEC       | OFD500EA | 1SCA121776R1001 | 0.155            |

### Mounting accessories for fuse monitor

| Suitable for switches                   | Wire size range | Type  | Order number    | Units/type [pcs] | Weight/unit [kg] |
|---|-----------------|-------|-----------------|------------------|------------------|
| <b>Crimp terminals</b>                  |                 |       |                 |                  |                  |
| OS_                                     | AWG 16 - 14     | OFMZ2 | 1SCA022475R9910 | 6                | 0.01             |
| <b>Mounting frame for OS Mini</b>       |                 |       |                 |                  |                  |
| Mounting on the left side of the switch |                 | OSZ4  | 1SCA022530R0200 | 1                | 0.60             |

## Accessories for fusible disconnect switches 60...1200A

Ordering information for cam attachment and interlocks



OSZT1A

### Mechanism interlock kits and Electrical interlocks

OS60...1200 fusible switches can be interlocked in the OFF position using padlocks and by using a mechanical interlock kit mounted on the mechanism. The diameter of the lock bail can be max 8mm.

Note: The shaft must go through the interlock into the switch mechanism.

| Suitable for switches                             | Type   | Order number    | Weight/unit [kg] |
|---|--------|-----------------|------------------|
| <b>Interlocking in the OFF position</b>           |        |                 |                  |
| OS60...100  | OTZT1A | 1SCA106522R1001 | 0.21             |
| OS200   | OSZT1A | 1SCA106532R1001 | 0.32             |
| OS400   | OSZT2A | 1SCA106534R1001 | 0.75             |
| OS600...800                                       | OSZT3A | 1SCA106535R1001 | 1.20             |
| OS1200  | OSZT4A | 1SCA106536R1001 | 2.00             |
| <b>Interlocking in the OFF &amp; ON positions</b> |        |                 |                  |
| OS60...100  | OTZT1L | 1SCA106527R1001 | 0.21             |
| OS200   | OSZT1L | 1SCA106538R1001 | 0.32             |
| OS400   | OSZT2L | 1SCA106539R1001 | 0.75             |
| OS600...800                                       | OSZT3L | 1SCA106540R1001 | 1.20             |
| OS1200  | OSZT4L | 1SCA106541R1001 | 2.00             |



OSZT2A

### Cam attachment

Cam attachment for Castell, Lowe & Fletcher and Ronis interlock. Lock, handle or shaft are not included. Mounting on OXP shaft working together with external OH door handle.



OETLZW5

| Suitable for switches | Type     | Order number    | Weight/unit [kg] |
|-----------------------|----------|-----------------|------------------|
| OS400...1200          | OETL-ZW5 | 1SCA022052R3900 | 0.14             |

## Accessories for fusible disconnect switches 60...1200A

Ordering information for coils and mounting accessories



PDAL2-230AC50Hz



OSGZD1

### Coils

By installing a coil inside the housing of the interlock kit the switch can be interlocked electrically in the OFF position or both in the OFF and ON positions. The electrical interlock works using the "closed circuit principle", meaning that when the control voltage is not connected to the coil, the switches provided with A-type interlocks cannot be turned to the ON position and switches with L-type interlocks cannot be turned to the ON or OFF positions.

| Suitable for switches              | Type            | Order number     | Weight/unit [kg] |
|------------------------------------|-----------------|------------------|------------------|
| <b>AC coils</b>                    |                 |                  |                  |
| 24 VAC, 60 Hz                      | PDAL2/24AC60Hz  | 1SCA111350R1001  | 0.15             |
| 110 VAC, 50Hz                      | PDAL2/110AC50Hz | 1SCA106543R1001  | 0.15             |
| 110 VAC, 60Hz                      | PDAL2/110AC60Hz | 1SCA107100R1001  | 0.15             |
| 120 VAC, 60 Hz                     | PDAL2/120AC60Hz | 1SCA111353R1001  | 0.15             |
| 208 VAC, 60Hz                      | PDAL2/208AC60Hz | 1SCA107101R1001  | 0.15             |
| 230 VAC, 50Hz                      | PDAL2/230AC50Hz | 1SCA107102R1001  | 0.15             |
| 240 VAC, 60 Hz                     | PDAL2/240AC60Hz | 1SCA111356R1001  | 0.15             |
| <b>DC coils</b>                    |                 |                  |                  |
| 24 VDC                             | PDAL2/24DC      | 1SCA106542R1001  | 0.15             |
| 48 VDC                             | PDAL2/48DC      | 1SCA107103R1001  | 0.15             |
| 60 VDC                             | PDAL2/60DC      | 1SCA107104R1001  | 0.15             |
| 110 VDC                            | PDAL2/110DC     | 1SCA107105R1001  | 0.15             |
| 125 VDC                            | PDAL2/125DC     | 1SCA111338R1001  | 0.15             |
| 220 VDC                            | PDAL2/220DC     | 1SCA112503R1001  | 0.15             |
| <b>Technical data for the coil</b> |                 |                  |                  |
| Operating voltage                  | -               | U=0.8...1.1 x Un | -                |
| Operating ambient temperature      | -               | -40° C...65° C   | -                |
| Power consumption                  | with AC         | 6.5 W            | -                |
| -                                  | with DC         | 9 VA             | -                |

### Mounting accessories: DIN-rail mounting kit

For mounting a switch fuse into 35mm DIN-rail

| Suitable for switches     | Type   | Order number    | Weight/unit [kg] |
|---------------------------|--------|-----------------|------------------|
| OS32G...160G, 1 - 4 -pole | OSGZD1 | 1SCA115688R1001 | 0.20             |

## Accessories for fusible disconnect switches 60...1200A

Ordering information for spare part kits

### Spare part kits

| Suitable for switches                   | Type      | Order number    | Units/type [pcs] | Weight/unit [kg] |
|---|-----------|-----------------|------------------|------------------|
| <b>Fuse cover, window and label set</b> |           |                 |                  |                  |
| OS60G                                   | OSFC2/B10 | 1SCA149872R1001 | 10               | 0.11             |
| OS100G                                  | OSFC5/B10 | 1SCA149875R1001 | 10               | 0.18             |
| OS200                                   | OSFC7/B10 | 1SCA149877R1001 | 10               | 0.33             |
| OS400                                   | OSFC10/B4 | 1SCA149865R1001 | 4                | 0.22             |
| OS600...800                             | OSFC11    | 1SCA149866R1001 | 1                | 0.10             |
| OS1200                                  | OSFC12    | 1SCA149867R1001 | 1                | 0.33             |
| <b>Fuse cover</b>                       |           |                 |                  |                  |
| OS30FACC/OS30FAJ                        | OSFC16    | 1SCA149871R1001 | 1                | 0.07             |
| <b>Mechanism cover and label set</b>    |           |                 |                  |                  |
| OS60G...100G                            | OSMC1/B4  | 1SCA149880R1001 | 4                | 0.04             |
| OS200                                   | OSMC2/B4  | 1SCA149881R1001 | 4                | 0.05             |
| OS400                                   | OSMC3     | 1SCA149882R1001 | 1                | 0.02             |
| OS600...800                             | OSMC4     | 1SCA149883R1001 | 1                | 0.05             |
| OS1200                                  | OSMC5     | 1SCA149884R1001 | 1                | 0.07             |
| <b>Shaft locking ring and screw</b>     |           |                 |                  |                  |
| OS60G...200                             | OTZS2/B10 | 1SCA126043R1001 | 10               | 0.01             |
| <b>Lock spring and screw</b>            |           |                 |                  |                  |
| OS400...1200                            | OZX1      | 1SCA105708R1001 | 10               | 0.09             |

## Flange handles for fusible disconnect switches 30...1200A

Ordering information for flange handles



Switch

ABB's flange operated disconnect switches comply with NFPA79 requirements. The flange operated disconnect switches are available as ridged shaft or flexible cable operated versions. The cable operated version provides flexible depth and mounting location depending on the length of the cable. Cables are available in lengths up to 120 inches.

### Shaft operated 30...100A

For a complete assembly, please select one of each.



Handle

### Flange operated fusible disconnects (shaft) 3-pole

| UL general purpose amp rating (A) | UL fuse type 600V | Order number |
|-----------------------------------|-------------------|--------------|
| 30                                | CC                | OS30FACCF30  |
| 30                                | J                 | OS30FAJF30   |
| 60                                | J                 | OS60GJF30    |
| 100                               | J                 | OS100GJF30   |



Shaft

### Flange handle

| NEMA rating | Marking | Defeatable | Padlockable | Order number |
|-------------|---------|------------|-------------|--------------|
| 1/12/3R     | OFF/ON  | No         | Yes         | DSFHN-HS12   |
| 4/4X        | OFF/ON  | No         | Yes         | DSFHN-HS4    |



Lug kit<sup>1</sup>

### Shafts

| For use with | Maximum enclosure depth (in.) | Order number |
|--------------|-------------------------------|--------------|
| OS30...100   | 16                            | DSFHS-12     |
|              | 21                            | DSFHS-17     |
|              | 26.5                          | DSFHS-22     |

<sup>1</sup> For 100A and above. OS30...60 come with internal lugs.

## Flange handles for fusible disconnect switches 30...1200A

Ordering information for flange handles



Switch



Handle



Cable



Lug kit<sup>1</sup>



Operating mechanism

### Cable operated 30...1200A

For a complete assembly, please select one of each.

#### Flange operated fusible disconnects (cable) 3-pole

| UL general purpose amp rating (A) | UL fuse type 600V | Disconnect switch order number | Mechanism order number |
|-----------------------------------|-------------------|--------------------------------|------------------------|
| 30                                | CC                | OS30FACC12                     | MKCS2                  |
| 30                                | J                 | OS30FAJ12                      | MKCS2                  |
| 60                                | J                 | OS60GJ12                       | MKCS3                  |
| 60                                | J                 | OS60GJ30                       | MKCS4                  |
| 100                               | J                 | OS100GJ30                      | MKCS4                  |
| 200                               | J                 | OS200J30                       | MKCS4                  |
| 400                               | J                 | OS400J30-FC                    | included               |
| 600                               | J                 | OS600J30-FC                    | included               |
| 800                               | L                 | OS800L30-FC                    | included               |
| 1200                              | L                 | OS1200L30-FC                   | included               |

#### Flange handle

| For use with                        | Order number        |                  |
|-------------------------------------|---------------------|------------------|
|                                     | NEMA rating 1/12/3R | NEMA rating 4/4X |
| OS30FA_12, OS60...100GJ30, OS200J30 | OHF1C12             | OHF1C4           |
| OS400J30-FC                         | K7FCH               | K7FCH4           |
| OS600J30-FC                         | K8FCH               | K8FCH4           |
| OS800...1200L30-FC                  | K9FCH               | K9FCH4           |

#### Cable

| For use with                        | Order number |         |         |         |         |         |          |         |
|-------------------------------------|--------------|---------|---------|---------|---------|---------|----------|---------|
|                                     | 36 in.       | 48 in.  | 60 in.  | 72 in.  | 84 in.  | 96 in.  | 108 in.  | 120 in. |
| OS30FA_12, OS60...100GJ30, OS200J30 | OXC1L36      | OXC1L48 | OXC1L60 | OXC1L72 | OXC1L84 | OXC1L96 | OXC1L108 | -       |
| OS400...600J30-FC                   | -            | K7C048  | K7C060  | K7C072  | K7C084  | K7C096  | -        | K7C120  |
| OS800...1200L30                     | -            | K8C048  | K8C060  | K8C072  | K8C084  | K8C096  | -        | -       |

#### Terminal shrouds

| For use with | Order number |
|--------------|--------------|
| OS30FA_12    | not needed   |
| OS60GJ30     | not needed   |
| OS100GJ30    | OSS160GG1L/3 |
| OS200J30     | OSS200G1L/3  |
| OS400J30-FC  | OSS403-FC    |
| OS600J30-FC  | OSS603-FC    |
| OS800L30-FC  | OSS803-FC    |
| OS1200L30-FC | OSS1203-FC   |

<sup>1</sup> For 100A and above. OS30FA\_...60GJ\_ come with internal lugs.

**Non-fusible disconnect switches OT16...2000**

Product range



| Switch size [A]              | 20    | 30    | 40    | 60    | 80    |
|------------------------------|-------|-------|-------|-------|-------|
| UL508 Switch<br>File #E63822 | OT16F | OT25F | OT40F | OT63F | OT80F |
| 240V HP                      | 5     | 7.5   | 10    | 15    | 20    |
| 480V HP                      | 10    | 15    | 20    | 30    | 40    |
| 600V HP                      | 10    | 20    | 25    | 30    | 40    |



| Switch size [A]              | 30    | 60    | 100    | 100/125             | 200    | 400    | 600    | 800    | 1200    | 1600    | 2000    |
|------------------------------|-------|-------|--------|---------------------|--------|--------|--------|--------|---------|---------|---------|
| UL98 Switch<br>File #E101914 | OT30F | OT60F | OT100F | OT160G <sup>1</sup> | OT200U | OT400U | OT600U | OT800U | OT1200U | OT1600U | OT2000U |
| 240V HP                      | 10    | 20    | 30     | 40                  | 75     | 125    | 200    | 200    | -       | -       | -       |
| 480V HP                      | 20    | 40    | 50     | 75                  | 150    | 250    | 450    | 500    | -       | -       | -       |
| 600V HP                      | 30    | 40    | 50     | 100                 | 200    | 350    | 500    | 500    | -       | -       | -       |

<sup>1</sup> UL listed to 100A, UL recognized to 125A

## Non-fusible disconnect switches OT Plus OT20...100

Product range



| Switch size [A] | 20      | 30      | 40      | 50      | 63      | 80      | 100      |
|-----------------|---------|---------|---------|---------|---------|---------|----------|
| UL60947-4-1     | OT20G1- | OT30G1- | OT40G1- | OT50G1- | OT63G2- | OT80G2- | OT100G2- |
| 240V HP         | 5       | 7.5     | 10      | 10      | 15      | 20      | 20       |
| 480V HP         | 10      | 15      | 20      | 25      | 30      | 40      | 40       |
| 600V HP         | 10      | 20      | 25      | 30      | 30      | 40      | 50       |



| Switch size [A] | 30      | 60      | 100      |
|-----------------|---------|---------|----------|
| UL98            | OT30G3- | OT60G3- | OT100G3- |
| 240V HP         | 10      | 20      | 30       |
| 480V HP         | 20      | 40      | 50       |
| 600V HP         | 30      | 50      | 60       |

## Non-fusible disconnect switches OT16...160

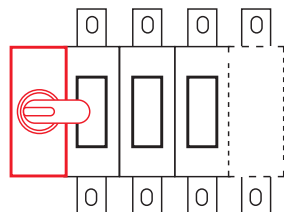
### Type designation key

Understanding the type code keys below will help you quickly identify the correct product for your needs.

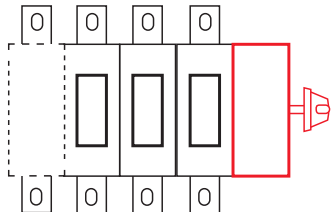
|   | OT | 16 | F | 4 | N2 |   |
|---|----|----|---|---|----|---|
| <b>ABB brand</b><br>OT = ABB switch-disconnector brand  |    |    |   |   |    |   |
| <b>Switch size</b><br>The second letter in the code indicates the ampere rating [A] of the product: 16...160A                   |    |    |   |   |    |   |
| <b>Operation/Mounting/Certification</b><br>F = Base and DIN-rail mounting, front operated<br>FT = Door mounting, front operated |    |    |   |   |    |   |
|   |    |    |   |   |    | <b>Included accessories</b><br>N2 = Fourth pole, simultaneous function with the main contacts<br>_ = No accessories included<br>P = Pistol handle + shaft<br>K = Direct mount handle<br>(for base mounting versions only)   |
|   |    |    |   |   |    | <b>Number of poles and placing of the operating mechanism</b><br>3 = 3 poles<br>4 = 4 poles<br>6 = 6 poles<br>8 = 8 poles<br>03 = 3 poles, operating mechanism at the left end of the switch<br>04 = 4 poles, operating mechanism at the left end of the switch<br>30 = 3 poles, operating mechanism at the right end of the switch<br>40 = 4 poles, operating mechanism at the right end of the switch |

### Pole configuration table, OT160G

**Front operated**  
Configuration 03, 04:



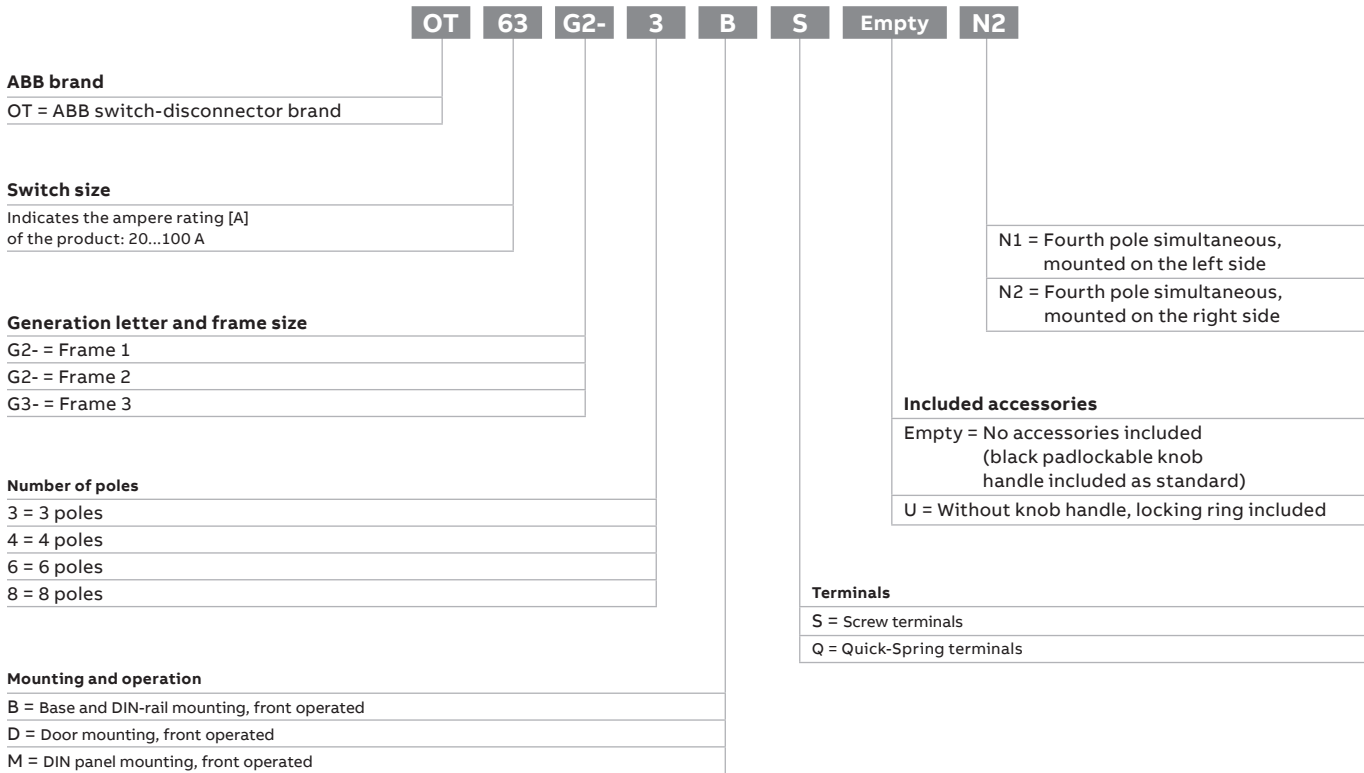
**Side operated**  
Configuration 30, 40 or 03, 04:



# Non-fusible disconnect switches OT Plus OT20...100

## Type designation key

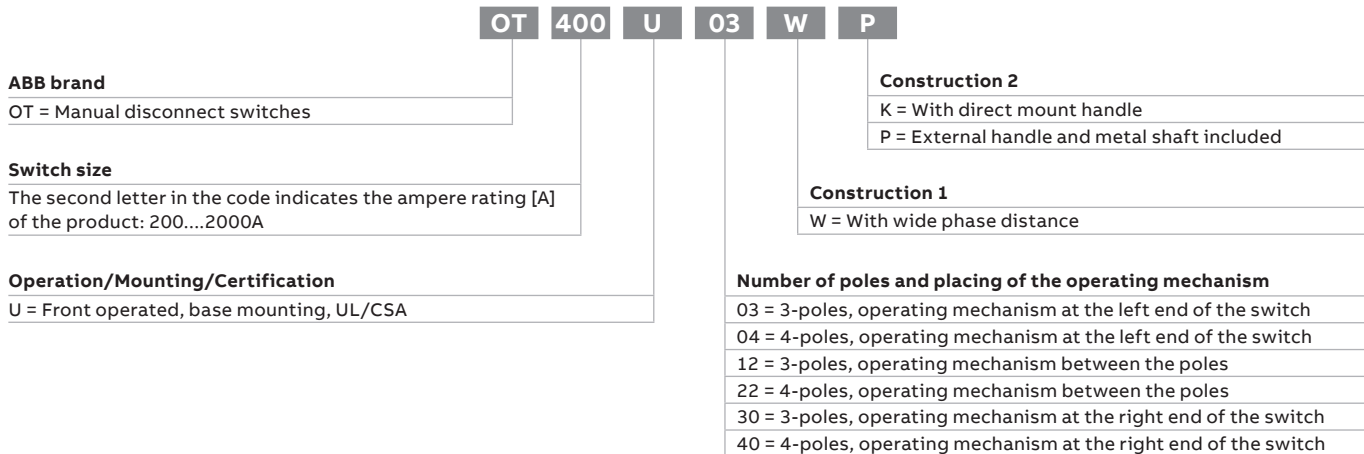
Understanding the type code keys below will help you quickly identify the correct product for your needs.



# Non-fusible disconnect switches OT200...2000

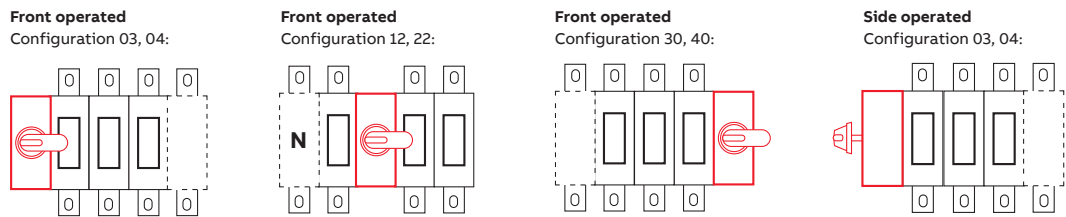
## Type designation key

Understanding the type code keys below will help you quickly identify the correct product for your needs.



### Pole configuration table

The various placing options of the operating mechanism in relation to the 3 or 4 poles is illustrated below. The operating mechanism may be placed at the end of the switch or between poles.



## Non-fusible disconnect switches OT16...100, UL

Technical data for non-fusible disconnect switches

### Technical data according to UL/CSA, AC ratings

| Switch type                               |                                |                   | OT16F                    |             | OT25F                    |               | OT40F                    |              | OT63F                    |               | OT80F                    |              | OT30F                    |             | OT60F                    |               | OT100F                   |              |  |
|---|--------------------------------|-------------------|--------------------------|-------------|--------------------------|---------------|--------------------------|--------------|--------------------------|---------------|--------------------------|--------------|--------------------------|-------------|--------------------------|---------------|--------------------------|--------------|--|
| -   | -                              | Approval          | cUL <sub>US</sub> Listed |             | cUL <sub>US</sub> Listed |               | cUL <sub>US</sub> Listed |              | cUL <sub>US</sub> Listed |               | cUL <sub>US</sub> Listed |              | cUL <sub>US</sub> Listed |             | cUL <sub>US</sub> Listed |               | cUL <sub>US</sub> Listed |              |  |
|   |                                |                   | E63822                   |             | E63822                   |               | E63822                   |              | E63822                   |               | E63822                   |              | E101914                  |             | E101914                  |               | E101914                  |              |  |
| -   | -                              | Compliance        | UL508                    |             | UL508                    |               | UL508                    |              | UL508                    |               | UL508                    |              | UL98                     |             | UL98                     |               | UL98                     |              |  |
|   |                                |                   | CSA C22.2 No.14          |             | CSA C22.2 No.14          |               | CSA C22.2 No.14          |              | CSA C22.2 No.14          |               | CSA C22.2 No.14          |              | CSA C22.2 No.4           |             | CSA C22.2 No.4           |               | CSA C22.2 No.4           |              |  |
| General purpose amp rating                | pf = 0.7...0.8                 | -40° to 40 °C     | 20A                      |             | 30A                      |               | 40A                      |              | 60A                      |               | 80A                      |              | 30A                      |             | 60A                      |               | 100A                     |              |  |
| Max. operating voltage                    | -                              | -                 | 600V                     |             | 600V                     |               | 600V                     |              | 600V                     |               | 600V                     |              | 600V                     |             | 600V                     |               | 600V                     |              |  |
| Max. horsepower rating/motor FLA current  | Three phase, pf = 0.4...0.5    | 240V              | 5 HP/ 15.2A              |             | 7.5 HP/ 22.0A            |               | 10 HP/ 28.0A             |              | 15 HP/ 42.0A             |               | 20 HP/ 54.0A             |              | 10 HP/ 28.0A             |             | 20 HP/ 54.0A             |               | 30 HP/ 80.0A             |              |  |
|   |                                | 480V              | 10 HP/ 14.0A             |             | 15 HP/ 21.0A             |               | 20 HP/ 27.0A             |              | 30 HP/ 40.0A             |               | 40 HP/ 52.0A             |              | 20 HP/ 27.0A             |             | 40 HP/ 52.0A             |               | 50 HP/ 65.0A             |              |  |
|   |                                | 600V              | 10 HP/ 11.0A             |             | 20 HP/ 22.0A             |               | 25 HP/ 27.0A             |              | 30 HP/ 32.0A             |               | 40 HP/ 41.0A             |              | 30 HP/ 32.0A             |             | 40 HP/ 41.0A             |               | 50 HP/ 52.0A             |              |  |
|   |                                | Single phase      | 120V                     | 1 HP/ 16.0A |                          | 1.5 HP/ 20.0A |                          | 2 HP/ 24.0A  |                          | 2 HP/ 24.0A   |                          | 2 HP/ 24.0A  |                          | 2 HP/ 24.0A |                          | 3 HP/ 34.0A   |                          | 5 HP/ 56.0A  |  |
|   |                                |                   | 240V                     | 2 HP/ 12.0A |                          | 3 HP/ 17.0A   |                          | 5 HP/ 28.0A  |                          | 7.5 HP/ 40.0A |                          | 10 HP/ 50.0A |                          | 5 HP/ 28.0A |                          | 7.5 HP/ 40.0A |                          | 15 HP/ 68.0A |  |
|   |                                |                   | 480V                     | 5 HP/ 14.0A |                          | 7.5 HP/ 21.0A |                          | 10 HP/ 26.0A |                          | 15 HP/ 34.0A  |                          | 20 HP/ 44.0A |                          | -           |                          | -             |                          | 25 HP/ 55.0A |  |
|   | 600V                           |                   | 7.5 HP/ 16.0A            |             | 10 HP/ 20.0A             |               | 15 HP/ 27.0A             |              | 15 HP/ 27.0A             |               | 20 HP/ 38.5A             |              | -                        |             | -                        |               | 20 HP/ 35.0A             |              |  |
|   | Short circuit rating with fuse | Maximum fuse size | -                        | 30A         | 60A                      | 30A           | 60A                      | 30A          | 60A                      | 100A          | 150A                     | 100A         | 150A                     | 60A         | 60A                      | 150A          | 100A                     |              |  |
|   |                                | Fuse type         | J                        | 10kA        | 10kA                     | 10kA          | 10kA                     | 10kA         | 10kA                     | 100 kA        | -                        | 100 kA       | -                        | 200kA       | 200kA                    | 50kA          | 200 kA                   |              |  |
|   |                                | Fuse type         | T                        | 10kA        | 10kA                     | 10kA          | 10kA                     | 10kA         | 10kA                     | 100 kA        | -                        | 100 kA       | -                        | 200kA       | 200kA                    | 50kA          | 200 kA                   |              |  |
| Fuse type                                 |                                | RK1               | 10kA                     | -           | 10kA                     | -             | 10kA                     | -            | -                        | -             | -                        | -            | -                        | -           | -                        | -             |                          |              |  |
| Fuse type                                 |                                | RK5 <sup>1</sup>  | 5kA                      | 5kA         | 5kA                      | 5kA           | 5kA                      | 5kA          | 10kA                     | 5kA           | 10kA                     | 5kA          | -                        | -           | -                        | -             |                          |              |  |
| Fuse type                                 |                                | L                 | -                        | -           | -                        | -             | -                        | -            | -                        | -             | -                        | -            | -                        | -           | -                        | -             |                          |              |  |
| Fuse type                                 |                                | H                 | -                        | -           | -                        | -             | -                        | -            | 5kA                      | -             | 5kA                      | -            | -                        | -           | -                        | -             |                          |              |  |
| <b>Endurances</b>                         |                                |                   |                          |             |                          |               |                          |              |                          |               |                          |              |                          |             |                          |               |                          |              |  |
| Min. electrical endurance, pf. 0.75...0.8 | -                              | -                 | 6,000 Oper.              |             | 6,000 Oper.              |               | 6,000 Oper.              |              | 6,000 Oper.              |               | 6,000 Oper.              |              | 6,000 Oper.              |             | 6,000 Oper.              |               | 6,000 Oper.              |              |  |
| Mechanical endurance                      | -                              | -                 | 20,000 Oper.             |             | 20,000 Oper.             |               | 20,000 Oper.             |              | 20,000 Oper.             |               | 20,000 Oper.             |              | 20,000 Oper.             |             | 20,000 Oper.             |               | 20,000 Oper.             |              |  |
| Terminal lugs                             | -                              | -                 | integrated               |             | integrated               |               | integrated               |              | integrated               |               | integrated               |              | integrated               |             | integrated               |               | integrated               |              |  |
| Copper wire range                         | -                              | 60-75 °C          | AWG 18-8                 |             | AWG 18-8                 |               | AWG 18-8                 |              | AWG 14-4                 |               | AWG 14-4                 |              | AWG 14-4                 |             | AWG 14-4                 |               | AWG 8-1/0                |              |  |
| Torque                                    | -                              | Wire tightening   | 0.8 Nm / 7 lb-in         |             | 0.8 Nm / 7 lb-in         |               | 0.8 Nm / 7 lb-in         |              | 2 Nm / 18 lb-in          |               | 2 Nm / 18 lb-in          |              | 6.2 Nm / 55 lb-in        |             | 6.2 Nm / 55 lb-in        |               | 6.2 Nm / 55 lb-in        |              |  |

<sup>1</sup>Fuse size 70A for RK5

## Non-fusible disconnect switches OT160, UL

Technical data for non-fusible disconnect switches

### Technical data according to UL98, CSA C22.2 No.4

| Switch type  |                             |                 | OT160G                  |                    |
|--|-----------------------------|-----------------|-------------------------|--------------------|
|  |                             |                 | UL <sub>us</sub> Listed | UL Recognized      |
| General purpose amp rating<br>max. operating voltage | pf=0.7...0.8                | -40° to 40 °C   | 100 A                   | 125 A              |
|  |                             |                 | 600 V                   | 600 V              |
| Max. horsepower rating/motor<br>FLA current          | pf=0.4...0.5<br>Three phase | 240 Vac         | 40 HP/104 A             | 40 HP/104 A        |
|  |                             | 480 Vac         | 75 HP/96 A              | 75 HP/96 A         |
|  |                             | 600 Vac         | 100 HP/99 A             | 100 HP/99 A        |
|  | Single phase                | 240 Vac         | 20 HP/88 A              | 20 HP/88 A         |
|  |                             | 480 Vac         | 30 HP/66 A              | 30 HP/66 A         |
|  |                             | 250 Vdc         | 20 HP/60 A              | 20 HP/60 A         |
| Fuse size/short circuit rating                       | Fuse type                   | J               | 150 A/100 kA            | 150 A/100 kA       |
|  |                             | T               | 150 A/100 kA            | 150 A/100 kA       |
|  |                             | RK5             | 60 A/100 kA             | 60 A/100 kA        |
| <b>Endurances</b>                                    |                             |                 |                         |                    |
| Min. electrical endurance, pf. 0.75 - 0.8            |                             |                 | 6,000 Oper. cycles      | 6,000 Oper. cycles |
| Mechanical endurance                                 |                             |                 | 20,000 Operations       | 20,000 Operations  |
| Terminal lug kits                                    |                             |                 | integrated              | integrated         |
| Wire range   | Use copper conductors only  | 60-75 °C        | AWG 8-1/0               | AWG 8-1/0          |
| Torque   |                             | Wire tightening | 53 lb.in                | 53 lb.in           |
| Weight without accessories                           | 3-pole switch               |                 | 0.5 lb                  | 0.5 lb             |
|  | 4-pole switch               |                 | 0.6 lb                  | 0.6 lb             |
| Minimum enclosure dimensions                         | Height x width x depth      |                 | 400 x 600 x 230 mm      | -                  |
|  |                             |                 | 15.75 x 23.62 x 9.06 in | -                  |

## Manual switch-disconnectors OT200...1200, UL

### Technical data for non-fusible disconnect switches

| Switch type   |                            | OT200U                             | OT400U                             | OT600U                       | OT800U                        | OT1200U                                  |                               |        |
|---|----------------------------|------------------------------------|------------------------------------|------------------------------|-------------------------------|--|-------------------------------|--------|
|   | Approval                   | cUL <sub>us</sub> Listed           | cUL <sub>us</sub> Listed           | cUL <sub>us</sub> Listed     | cUL <sub>us</sub> Listed      | cUL <sub>us</sub> Listed                 |                               |        |
|   | File #                     | E101914                            | E101914                            | E101914                      | E101914                       | E101914                                  |                               |        |
|   | Compliance                 | UL98<br>CSA C22.2 No.4             | UL98<br>CSA C22.2 No.4             | UL98<br>CSA C22.2 No.4       | UL98<br>CSA C22.2 No.4        | UL98<br>CSA C22.2 No.4                   |                               |        |
| <b>Technical data according to UL/CSA AC Ratings</b>              |                            |                                    |                                    |                              |                               |  |                               |        |
| General purpose amp rating  | pf= 0.7...0.8              | -40° to 40 °C                      | 200 A                              | 400 A                        | 600 A                         | 800 A                                    | 1200 A                        |        |
| Max. operating voltage  |                            |                                    | 600 V                              | 600 V                        | 600 V                         | 600 V                                    | 600 V                         |        |
| Max. horsepower rating /max. motor FLA current                    | Three phase, pf= 0.4...0.5 | 240 V                              | 75 HP/192.0 A                      | 125 HP/312.0 A               | 200 HP/480 A                  | 200 HP/602 A                             | -                             |        |
|   |                            | 480 V                              | 150 HP/180.0 A                     | 250 HP/302.0 A               | 450 HP/515.0 A                | 500 HP/590 A                             | -                             |        |
|   |                            | 600 V                              | 200 HP/192.0 A                     | 350 HP/336.0 A               | 500 HP/472.0 A                | 500 HP/472 A                             | -                             |        |
| Short circuit rating with fuse                                    | Fuse type                  | J                                  | 200 kA                             | 100 kA                       | 100 kA                        | -  | 100 kA                        | -      |
|   |                            | T                                  | -                                  | 100 kA                       | -                             | -  | 100 kA                        | -      |
|   | Fuse type                  | RK5                                | -                                  | -                            | -                             | 100 kA                                   | -                             | -      |
|   |                            | L                                  | -                                  | -                            | -                             | -  | 100 kA                        | 100 kA |
| Maximum fuse size   |                            | 200 A                              | 350 A                              | 600 A                        | 600 A                         | 800 A                                    | 800 A                         | 1200 A |
| Current rating  |                            | at 250 V DC                        | 200 A                              | 400 A                        | 600 A                         | -  | -                             |        |
|   |                            | at 600 V DC                        | 100 A                              | 200 A                        | 200 A                         | -  | -                             |        |
| DC horsepower rating for 4-pole switch                            |                            | at 600 V DC                        | 50 HP                              | 50 HP                        | -                             | -  | -                             |        |
| DC horsepower rating for 2-pole switch                            |                            | at 125 V DC                        | 20 HP                              | -                            | -                             | -  | -                             |        |
|   |                            | at 250 V DC                        | 40 HP                              | 50 HP                        | 50 HP                         | -  | -                             |        |
| DC short circuit rating for 4-pole switch                         |                            | with circuit breaker               | 10 kA                              | 10 kA                        | 10 kA                         | -  | -                             |        |
| DC short circuit rating for 2-pole switch                         |                            | with circuit breaker at 250 V DC   | 14 kA                              | 14 kA                        | 18 kA                         | -  | -                             |        |
|   |                            | with circuit breaker at 600 V DC   | 10 kA                              | 10 kA                        | 10 kA                         | -  | -                             |        |
|   |                            | with class J fuse at 250 V DC      | 100 kA                             | 100 kA                       | 100 kA                        | -  | -                             |        |
|   |                            | ... with fuse size                 | 200 A                              | 400 A                        | 600 A                         | -  | -                             |        |
| Min. electrical endurance, pf. 0.75...0.8<br>Mechanical endurance |                            | oper. cycles                       | 6,000                              | 1,000                        | 1,000                         | 500                                      | 500                           |        |
|   |                            | Divide by two for operation cycles | 20,000 Oper.                       | 16,000 Oper.                 | 10,000 Oper.                  | 6,000 Oper.                              | 6,000 Oper.                   |        |
| Terminal lug kits (optional)<br>Wire range                        |                            | 75 °C wire                         | OZXA-200                           | OZXA-400                     | OZXA-800                      | OZXA-800 or OZXA-1200                    | OZXA-1200                     |        |
|   |                            |                                    | AWG 4 - 300 MCM                    | AWG 2 - 600 MCM              | 2X AWG 2 - 600 MCM            | 2X AWG 2 - 600 MCM or 4X AWG 2 - 600 MCM | 4X AWG 2 - 600 MCM            |        |
| Torque  |                            | Wire tightening                    | 200 lb.in/22.6 Nm                  | 375 lb.in/42.4 Nm            | 500 lb.in/56.5 Nm             | 500 lb.in/56.5 Nm                        | 500 lb.in/56.5 Nm             |        |
|   |                            | Lug mounting                       | 72 lb.in/8.1 Nm                    | 240 lb.in/27.1 Nm            | 480 lb.in/54.2 Nm             | 443 lb.in/50.1 Nm                        | 443 lb.in/50.1 Nm             |        |
| Minimum enclosure dimensions at rated current                     |                            | Height x Width x Depth             | 508x407x178 mm<br>20.3x16.3x7.1 in | 600x350x200 mm<br>24x14x8 in | 600x700x300 mm<br>24x28x12 in | 1220x610x305 mm<br>48.8x24.4x12.2 in     | 700x900x400 mm<br>28x36x16 in |        |

## Manual switch-disconnectors OT1600...2000, UL

Technical data for non fusible disconnect switches

### Technical data according to UL/CSA

| Switch type   |                                     | OT1600U                   | OT2000U                   |
|---|-------------------------------------|---------------------------|---------------------------|
|   | Approval                            | cUL <sub>US</sub> Listed  | cUL <sub>US</sub> Listed  |
|   | File #                              | E101914                   | E101914                   |
|   | Compliance                          | UL98                      | UL98                      |
|   |                                     | CSA C22.2 No.4            | CSA C22.2 No.4            |
| General Use AC ratings -40 to +40 °C                    | pf=0.7...0.8 Single and three phase | 1600 A                    | 2000 A                    |
| Voltage rating  |                                     | 600 V                     | 600 V                     |
| Maximum General Use DC Ratings                          | 250 V DC                            | 1600 A                    | 2000 A                    |
| Short circuit rating with fuse                          | Fuse type L                         | 100 kA                    | 100 kA                    |
| Maximum fuse size                                       |                                     | 2000 A                    | 2000 A                    |
| Minimum electrical endurance pf. 0.75...0.8             | Divide by two for operation cycles  | 500 Oper.cycles           | 500 Oper.cycles           |
| Mechanical endurance                                    |                                     | 2,500 Oper.               | 2,500 Oper.               |
| Gross/ net weight without handle, shaft and accessories | 2-pole switch                       | 37/34 kg - 81.6/75 lb     | 37/34 kg - 81.6/75 lb     |
|   | 3-pole switch                       | 52/49 kg - 114.6/108 lb   | 52/49 kg - 114.6/108 lb   |
|   | 4-pole switch                       | 69/65 kg - 152.1/143.3 lb | 69/65 kg - 152.1/143.3 lb |
| Standard shaft and mounting depth                       | Square dimension x length of shaft  | 12x185 mm/ 0.47x7.3 in    | 12x185 mm/ 0.47x7.3 in    |
|   | Corresponding mounting depth        | 358-444 mm/ 13.6-16.8 in  | 358-444 mm/ 13.6-16.8 in  |
|   |                                     | OHB 274J12 Type           | OHB 274J12 Type           |
| Terminal bolt size                                      | Metric thread diameter x length     | M12x60 mm (included)      | M12x60 mm (included)      |
| Terminal bolt tightening torque                         | Counter torque required             | 50 Nm / 443 lb.in         | 50 Nm / 443 lb.in         |
| Terminal lug kits (optional)                            | 75 °C wire                          | 2X OZXA-1200              | 2X OZXA-1200              |
|   |                                     | 4X AWG 2 - 600 MCM        | 4X AWG 2 - 600 MCM        |
| Torque  | Wire tightening                     | 56 Nm / 500 lb.in         | 56 Nm/ 500 lb.in          |
|   | Lug mounting                        | 50 Nm/ 443 lb.in          | 50 Nm/ 443 lb.in          |
| Minimum enclosure dimensions                            | Height x Width x Depth              | 1000x800x450 mm           | 1000x800x450 mm           |
|   |                                     | 39.4x31.5x17.7 in         | 39.4x31.5x17.7 in         |

### Manual switch-disconnectors for 800...1000 VAC applications

| Switch type |            | OT400U -1000  | OT600U -1000             | OT800U -1000             | OT1200U -800             |
|-------------|------------|---------------|--------------------------|--------------------------|--------------------------|
|             | Approval   | UL Recognized | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed |
|             | File #     | File E101914  | File E101914             | File E101914             | File E101914             |
|             | Compliance | UL98          | UL98                     | UL98                     | UL98                     |

### Technical data according to UL/CSA AC Ratings

|   |                    |                                    |          |                   |                   |                    |  |
|---|--------------------|------------------------------------|----------|-------------------|-------------------|--------------------|--|
| General purpose amp rating                    | -40° to 40 °C      |                                    | 800 VAC  | 300 A             | 400 A             | 600 A              | 800 A                                    |
|   |                    |                                    | 1000 VAC | 200 A             | 400 A             | 600 A              | -  |
| Max. Operating voltage                        |                    |                                    | 1000 V   | 1000 V            | 1000 V            | 800 V              |  |
| Short circuit rating                          | Fuse type and size | NH3 170M7402 (800VAC, UR approved) | 400A     | 50 kA             | 50 kA             | -                  | -  |
|   |                    | (800VAC)                           |          | 22 kA             | 30 kA             | 35 kA              | 35 kA                                    |
|   |                    | (1000VAC)                          |          | 22 kA             | 30 kA             | 35 kA              | -  |
| Min. electrical endurance, pf. 0.75...0.8     |                    | oper. cycles                       |          | 1,000             | 1,000             | 1,000              | 500                                      |
| Mechanical endurance                          |                    | Divide by two for operation cycles |          | 16,000 Oper.      | 10,000 Oper.      | 8,000 Oper.        | 6,000 Oper.                              |
| Terminal lug kits (optional)                  |                    | 75 °C wire                         | -        | OZXA-400          | OZXA-26           | OZXA-800           | OZXA-800 or OZXA-1200                    |
| Wire range                                    |                    |                                    | -        | AWG 2 - 600 MCM   | AWG 2 - 600 MCM   | 2X AWG 2 - 600 MCM | 2X AWG 2 - 600 MCM or 4X AWG 2 - 600 MCM |
| Torque  |                    | Wire tightening                    |          | 375 lb.in/42.4 Nm | 450 lb.in/56.5 Nm | 500 lb.in/56.5 Nm  | 500 lb.in/56.5 Nm                        |
|   |                    | Lug mounting                       |          | 340 lb.in/27.1 Nm | 228 lb.in/54.2 Nm |                    | 480 lb.in/54.2 Nm                        |
| Minimum enclosure dimensions at rated current |                    | Height x Width x Depth             |          | 600x350x200 mm    | 600x700x200 mm    | 800x600x330 mm     | 800x600x330 mm                           |
|   |                    |                                    |          | 24x14x8 in        | 24x28x8 in        | 32x24x13.2 in      | 32x24x13.2 in                            |

## Manual switch-disconnectors OT Plus OT20...100, UL

Technical data for non fusible disconnect switches

### Technical data according to UL 60947-4-1 and UL98

|  |                |           | OT16G1<br>OT20G1 <sup>2</sup>      | OT25G1<br>OT30G1 <sup>2</sup> | OT40G1       | OT50G1 <sup>2</sup><br>OT63G1 |
|--|----------------|-----------|------------------------------------|-------------------------------|--------------|-------------------------------|
| Frame size                                 |                |           | G1                                 | G1                            | G1           | G1                            |
| Approval Compliance                        |                |           | UL 60947-4-1<br>CSA C22.2<br>No.14 |                               |              |                               |
| Max. Operating voltage                     |                |           | 600 V                              | 600 V                         | 600 V        | 600 V                         |
| General purpose amp rating                 | pf = 0.7...0.8 |           | 20 A                               | 30 A                          | 40 A         | 50 A                          |
| Max. Horsepower rating / motor FLA current | pf = 0.4...0.5 | 120 V     |                                    |                               |              |                               |
|  | Three phase    | 208 V     | 5 hp/16.7 A                        | 7.5 hp/24.2 A                 | 10 hp/30.8 A | 10 hp/30.8 A                  |
|  |                | 240 V     | 5 hp/15.2 A                        | 7.5 hp/22 A                   | 10 hp/28 A   | 10 hp/28 A                    |
|  |                | 480 V     | 10 hp/14 A                         | 15 hp/21 A                    | 20 hp/27 A   | 25 hp/34 A                    |
|  |                | 600 V     | 10 hp/11 A                         | 20 hp/22 A                    | 25 hp/27 A   | 30 hp/32 A                    |
|  | Single phase   | 120 V     | 1 hp/16 A                          | 1.5 hp/20 A                   | 2 hp/24 A    | 2 hp/24 A                     |
|  |                | 208 V     | 2 hp/14 A                          | 3 hp/20 A                     | 5 hp/31 A    | 5 hp/31 A                     |
|  |                | 240 V     | 2 hp/12 A                          | 3 hp/17 A                     | 5 hp/28 A    | 5 hp/28 A                     |
|  |                | 480 V     | 5 hp/14 A                          | 7.5 hp/21 A                   | 10 hp/26 A   | 10 hp/26 A                    |
|  |                | 600 V     | 7.5 hp/16 A                        | 10 hp/20 A                    | 15 hp/ 27 A  | 15 hp/27 A                    |
| Short circuit rating with fuse             |                |           | Maximum fuse size                  |                               |              |                               |
|  |                | Fuse type | J                                  | 100 kA                        | 100 kA       | 100 kA                        |
|  |                |           | T                                  | 100 kA                        | 100 kA       | 100 kA                        |
|  |                |           | RK5                                | 1-phase                       | 5 kA         | 5 kA                          |
|  |                |           | RK5                                | 3-phase                       | 5 kA         | 5 kA                          |
| Rated amp rating in DC applications        |                |           | 250 Vdc 2-Pole connection          |                               |              |                               |
| Min. electrical endurance, pf = 0.75...0.8 |                |           | electrical operations              |                               |              |                               |
| Divide by two for operation cycles         |                |           | mechanical operations              |                               |              |                               |
| Screw terminal lugs                        |                |           | integrated                         |                               |              |                               |
| Wire range Copper                          |                |           | Single stranded                    |                               |              |                               |
|  |                |           | 16-6 AWG                           | 16-6 AWG                      | 16-6 AWG     | 16-6 AWG                      |
|  |                |           | 18-10 AWG                          | 18-10 AWG                     | 18-10 AWG    | 18-10 AWG                     |
|  |                |           | 16-10 AWG                          | 16-10 AWG                     | 16-10 AWG    | 16-10 AWG                     |
|  |                |           | 18-10 AWG                          | 18-10 AWG                     | 18-10 AWG    | 18-10 AWG                     |
| Terminal tightening torque                 |                |           | Counter torque required            |                               |              |                               |
|  |                |           | 9 lb.in                            | 9 lb.in                       | 9 lb.in      | 9 lb.in                       |
|  |                |           | 1 Nm                               | 1 Nm                          | 1 Nm         | 1 Nm                          |
| Quick spring terminal lugs                 |                |           | Single stranded                    |                               |              |                               |
| Wire range Copper                          |                |           | Single solid                       |                               |              |                               |
|  |                |           | 16-8 AWG                           | 16-8 AWG                      | 16-8 AWG     |                               |
|  |                |           | 18-10 AWG                          | 18-10 AWG                     | 18-10 AWG    |                               |
| Weight without accessories                 |                |           | 3-pole                             |                               |              |                               |
|  |                |           | 0.27 lbs                           | 0.27 lbs                      | 0.27 lbs     | 0.27 lbs                      |
|  |                |           | 0.33 lbs                           | 0.33 lbs                      | 0.33 lbs     | 0.33 lbs                      |
| Operating torque                           |                |           | 3-pole switch disconnecter         |                               |              |                               |
|  |                |           | 9 lb.in                            | 9 lb.in                       | 9 lb.in      | 9 lb.in                       |
|  |                |           | 1 Nm                               | 1 Nm                          | 1 Nm         | 1 Nm                          |
| Technical data according to IEC 60947-3    |                |           | OT16G1-                            | OT25G1-                       | OT40G1-      | OT63G1-                       |

<sup>1</sup> 75oC cable

<sup>2</sup> type designation tailored specifically for North American UL market

## Manual switch-disconnectors OT Plus OT20...100, UL

Technical data for non fusible disconnect switches

### Technical data according to UL 60947-4-1 and UL98

|  |                            |             | OT63G2                             | OT80G2       | OT100G2            | OT30G3                    | OT60G3      | OT100G3    |            |
|--|----------------------------|-------------|------------------------------------|--------------|--------------------|---------------------------|-------------|------------|------------|
| Frame size                                 |                            |             | G2                                 | G2           | G2                 | G3                        | G3          | G3         |            |
| Approval Compliance                        |                            |             | UL 60947-4-1<br>CSA C22.2<br>No.14 |              |                    | UL98<br>CSA C22.2<br>No.4 |             |            |            |
| Max. Operating voltage                     |                            |             | 600 V                              | 600 V        | 600 V              | 600 V                     | 600 V       | 600 V      |            |
| General purpose amp rating                 | pf = 0.7...0.8             |             | 63 A                               | 80 A         | 101 A <sup>1</sup> | 30 A                      | 60 A        | 100 A      |            |
|  |                            |             |                                    |              |                    |                           |             |            |            |
| Max. Horsepower rating / motor FLA current | pf = 0.4...0.5             | 120 V       | 5 hp/30.4 A                        | 5 hp/30.4 A  | 7.5 hp/44 A        | 5 hp/30.4 A               | 7.5 hp/44 A | 10 hp/56 A |            |
|  |                            |             |                                    |              |                    |                           |             |            |            |
| Three phase                                | 208 V                      |             | 15 hp/46.2 A                       | 20 hp/59.4 A | 20 hp/59.4 A       |                           |             |            |            |
|  |                            |             | 15 hp/42 A                         | 20 hp/54 A   | 20 hp/54 A         | 10 hp/28 A                | 20 hp/54 A  | 30 hp/80 A |            |
|  |                            |             | 30 hp/40 A                         | 40 hp/52 A   | 40 hp/52 A         | 20 hp/27 A                | 40 hp/52 A  | 50 hp/65 A |            |
|  |                            |             | 30 hp/32 A                         | 40 hp/41 A   | 50 hp/52A          | 30 hp/32 A                | 50 hp/52 A  | 60 hp/62 A |            |
|  |                            |             | 120 V                              | 2 hp/24 A    | 2 hp/24 A          | 3 hp/34 A                 | 2 hp/24 A   | 3 hp/ 34 A | 5 hp/56 A  |
|  |                            |             | 208 V                              | 7.5 hp/44 A  | 10 hp/55 A         | 10 hp/55 A                |             |            |            |
| Single phase                               | 240 V                      |             | 7.5 hp/40 A                        | 10 hp/50 A   | 10 hp/50 A         | 5 hp/28 A                 | 7.5 hp/40 A | 15 hp/68 A |            |
|  |                            |             | 15 hp/34 A                         | 20 hp/44 A   | 20 hp/44 A         | 10 hp/26 A                | 15 hp/34 A  | 25 hp/55 A |            |
|  |                            |             | 15 hp/27 A                         | 20 hp/39 A   | 25 hp/44 A         | 15 hp/27 A                | 25 hp/44 A  | 30 hp/54 A |            |
|  |                            |             | 480 V                              | 15 hp/34 A   | 20 hp/44 A         | 20 hp/44 A                | 10 hp/26 A  | 15 hp/34 A | 25 hp/55 A |
|  |                            |             | 600 V                              | 15 hp/27 A   | 20 hp/39 A         | 25 hp/44 A                | 15 hp/27 A  | 25 hp/44 A | 30 hp/54 A |
|  |                            |             | 120 V                              | 2 hp/24 A    | 2 hp/24 A          | 3 hp/34 A                 | 2 hp/24 A   | 3 hp/ 34 A | 5 hp/56 A  |
| Short circuit rating with fuse             | Maximum fuse size          | 100 A       | 100 A                              | 100 A        | 60 A               | 60 A                      | 100 A       |            |            |
|  |                            | 150 A       | 150 A                              | 150 A        |                    |                           |             |            |            |
|  |                            | Fuse type J | 100 kA                             | 100 kA       | 100 kA             | 100kA                     | 100kA       | 100kA      |            |
|  |                            | T           | 100 kA                             | 100 kA       | 100 kA             | 100kA                     | 100kA       | 100kA      |            |
|  |                            | RK5 1-phase | 5 kA                               | 5 kA         | 5 kA               |                           |             |            |            |
|  | RK5 3-phase                | 5 kA        | 5 kA                               | 5 kA         |                    |                           |             |            |            |
| Rated amp rating in DC applications        | 250 Vdc 2-Pole connection  |             |                                    |              | 30 A               | 60 A                      | 100 A       |            |            |
| Min. electrical endurance, pf = 0.75...0.8 | electrical operations      | 6,000       | 6,000                              | 6,000        | 6,000              | 6,000                     | 6,000       |            |            |
| Divide by two for operation cycles         | mechanical operations      | 200,000     | 200,000                            | 200,000      | 200,000            | 200,000                   | 200,000     |            |            |
| Screw terminal lugs                        |                            | integrated  | integrated                         | integrated   | integrated         | integrated                | integrated  |            |            |
| Wire range Copper                          | Single stranded            | 16-2 AWG    | 16-2 AWG                           | 16-2 AWG     | 12-2/0 AWG         | 12-2/0 AWG                | 12-2/0 AWG  |            |            |
|  | Single solid               | 16-10 AWG   | 16-10 AWG                          | 16-10 AWG    | 12-10 AWG          |                           |             |            |            |
|  | Double stranded (2x)       | 16-8 AWG    | 16-8 AWG                           | 16-8 AWG     |                    | 12-4 AWG                  | 12-4 AWG    |            |            |
|  | Double solid (2x)          | 16-10 AWG   | 16-10 AWG                          | 16-10 AWG    |                    |                           |             |            |            |
| Terminal tightening torque                 | Counter torque required    | 18 lb.in    | 18 lb.in                           | 18 lb.in     | 53 lb.in           | 53 lb.in                  | 53 lb.in    |            |            |
|  |                            | 2 Nm        | 2 Nm                               | 2 Nm         | 6 Nm               | 6 Nm                      | 6 Nm        |            |            |
| Quick spring terminal lugs                 | Single stranded            |             |                                    |              |                    |                           |             |            |            |
| Wire range Copper                          | Single solid               |             |                                    |              |                    |                           |             |            |            |
| Weight without accessories                 | 3-pole                     | 0.55 lbs    | 0.55 lbs                           | 0.55 lbs     | 0.88 lbs           | 0.88 lbs                  | 0.88 lbs    |            |            |
|  | 4-pole                     | 0.71 lbs    | 0.71 lbs                           | 0.71 lbs     | 1.15 lbs           | 1.15 lbs                  | 1.15 lbs    |            |            |
| Operating torque                           | 3-pole switch disconnecter | 18 lb.in    | 18 lb.in                           | 18 lb.in     | 18 lb.in           | 18 lb.in                  | 18 lb.in    |            |            |
|  |                            | 2 Nm        | 2 Nm                               | 2 Nm         | 2 Nm               | 2 Nm                      | 2 Nm        |            |            |
| Technical data according to IEC 60947-3    |                            |             | OT63G2-                            | OT80G2-      | OT100G2-           |                           | OT63G3-     | OT100G2-   |            |

<sup>1</sup> 75oC cable

## Manual switch-disconnectors OT Plus OT20...100, UL

Technical data for non fusible disconnect switches

### Technical data according to UL

|  |                |                            | OT16G1<br>OT20G1 <sup>3</sup>      | OT25G1<br>OT30G1 <sup>3</sup> | OT40G1       | OT50G1 <sup>3</sup><br>OT63G1 | OT63G2        |
|--|----------------|----------------------------|------------------------------------|-------------------------------|--------------|-------------------------------|---------------|
| Frame size                                 |                |                            | G1                                 | G1                            | G1           | G1                            | G2            |
| Approval Compliance                        |                |                            | UL 60947-4-1<br>CSA C22.2<br>No.14 |                               |              |                               |               |
| File no.                                   |                |                            |                                    |                               |              |                               |               |
| Max. Operating voltage                     |                |                            | 600 V                              | 600 V                         | 600 V        | 600 V                         | 600 V         |
| General purpose amp rating                 | pf = 0.7...0.8 |                            | 20 A                               | 30 A                          | 40 A         | 50 A                          | 63 A          |
| Max. Horsepower rating / motor FLA current | pf = 0.4...0.5 | 120 V                      | 5 hp/ 30.4 A                       |                               |              |                               |               |
|  | Three phase    | 208 V                      | 5 hp/16.7 A                        | 7.5 hp/24.2 A                 | 10 hp/30.8 A | 10 hp/30.8 A                  | 15 hp/46.2 A  |
|  |                | 240 V                      | 5 hp/15.2 A                        | 7.5 hp/22 A                   | 10 hp/28 A   | 10 hp/28 A                    | 15 hp/42 A    |
|  |                | 480 V                      | 10 hp/14 A                         | 15 hp/21 A                    | 20 hp/27 A   | 25 hp/34 A                    | 30 hp/40 A    |
|  |                | 600 V                      | 10 hp/11 A                         | 20 hp/22 A                    | 25 hp/27 A   | 30 hp/32 A                    | 30 hp/32 A    |
|  | Single phase   | 120 V                      | 1 hp/16 A                          | 1.5 hp/20 A                   | 2 hp/24 A    | 2 hp/24 A                     | 2 hp/24 A     |
|  |                | 208 V                      | 2 hp/14 A                          | 3 hp/20 A                     | 5 hp/31 A    | 5 hp/31 A                     | 7.5 hp/44 A   |
|  |                | 240 V                      | 2 hp/12 A                          | 3 hp/17 A                     | 5 hp/28 A    | 5 hp/28 A                     | 7.5 hp/40 A   |
|  |                | 480 V                      | 5 hp/14 A                          | 7.5 hp/21 A                   | 10 hp/26 A   | 10 hp/26 A                    | 15 hp/34 A    |
|  |                | 600 V                      | 7.5 hp/16 A                        | 10 hp/20 A                    | 15 hp/ 27 A  | 15 hp/27 A                    | 15 hp/27 A    |
| Short circuit rating with fuse             |                | Maximum fuse size          | 60 A                               | 60 A                          | 60 A         | 60 A                          | 100 A   150 A |
|  | Fuse type      | J                          | 100 kA                             | 100 kA                        | 100 kA       | 100 kA                        | 100 kA        |
|  |                | T                          | 100 kA                             | 100 kA                        | 100 kA       | 100 kA                        | 100 kA        |
|  |                | RK5   1-phase              | 5 kA                               | 5 kA                          | 5 kA         | 5 kA                          | 5 kA          |
|  |                | RK5   3-phase              | 5 kA                               | 5 kA                          | 5 kA         | 5 kA                          | 5 kA          |
| Rated amp rating in DC applications        |                | 250 Vdc 2-Pole connection  |                                    |                               |              |                               |               |
| Min. electrical endurance, pf = 0.75...0.8 |                | electrical operations      | 6,000                              | 6,000                         | 6,000        | 6,000                         | 6,000         |
| Divide by two for operation cycles         |                | mechanical operations      | 200,000                            | 200,000                       | 200,000      | 200,000                       | 200,000       |
| Screw terminal lugs                        |                |                            | integrated                         | integrated                    | integrated   | integrated                    | integrated    |
| Wire range Copper                          |                | Single stranded            | 16-6 AWG                           | 16-6 AWG                      | 16-6 AWG     | 16-6 AWG                      | 16-2 AWG      |
|  |                | Single solid               | 18-10 AWG                          | 18-10 AWG                     | 18-10 AWG    | 18-10 AWG                     | 16-10 AWG     |
|  |                | Double stranded (2x)       | 16-10 AWG                          | 16-10 AWG                     | 16-10 AWG    | 16-10 AWG                     | 16-8 AWG      |
|  |                | Double solid (2x)          | 18-10 AWG                          | 18-10 AWG                     | 18-10 AWG    | 18-10 AWG                     | 16-10 AWG     |
| Terminal tightening torque                 |                | Counter torque required    | 13 lb.in                           | 13 lb.in                      | 13 lb.in     | 13 lb.in                      | 18 lb.in      |
|  |                |                            | 1.5 Nm                             | 1.5 Nm                        | 1.5 Nm       | 1.5 Nm                        | 2 Nm          |
| Weight without accessories                 |                | 6-pole                     | 0,58 lbs                           | 0,58 lbs                      | 0,58 lbs     | 0,58 lbs                      | 1.24 lbs      |
|  |                | 8-pole                     | 0.71 lbs                           | 0.71 lbs                      | 0.71 lbs     | 0.71 lbs                      | 1.55 lbs      |
| Operating torque                           |                | 6-pole switch disconnecter | 27 lb.in                           | 27 lb.in                      | 27 lb.in     | 27 lb.in                      | 36 lb.in      |
|  |                |                            | 3Nm                                | 3Nm                           | 3Nm          | 3Nm                           | 4 Nm          |
| Technical data according to IEC 60947-3    |                |                            | OT16G1-                            | OT25G1-                       | OT40G1-      | OT63G1-                       | OT63G2-       |

<sup>1</sup> 75oC cable. 6-pole switches 80A

<sup>2</sup> 75oC cable. 8-pole 73A

<sup>3</sup> type designation tailored specifically for North American UL market

## Manual switch-disconnectors OT Plus OT20...100, UL

Technical data for non fusible disconnect switches

### Technical data according to UL

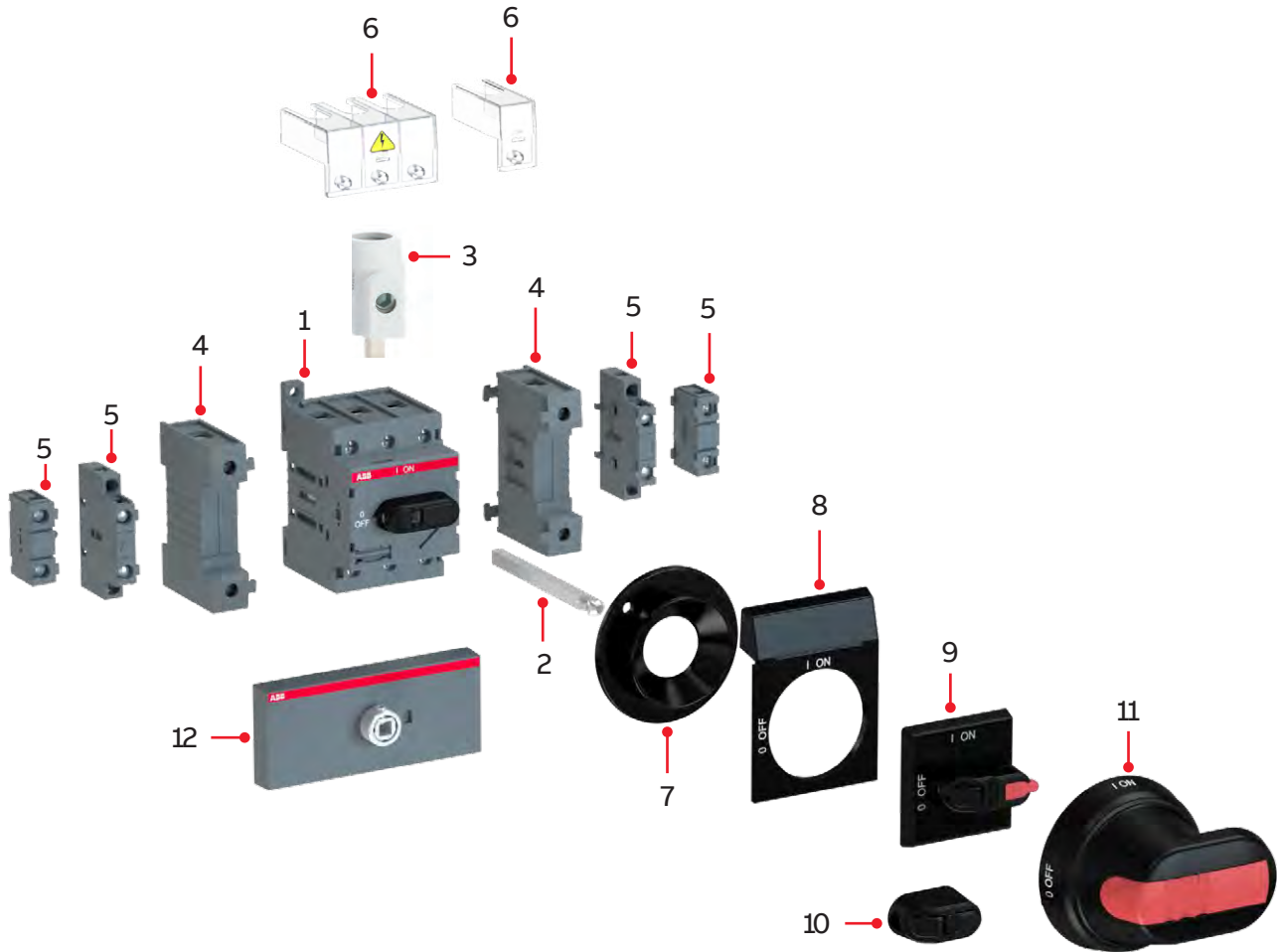
| Frame size                                 |                            |             | OT80G2                             | OT30G3                    | OT60G3      | OT100G3    |
|--|----------------------------|-------------|------------------------------------|---------------------------|-------------|------------|
| Frame size                                 |                            |             | G2                                 | G3                        | G3          | G3         |
| Approval Compliance                        |                            |             | UL 60947-4-1<br>CSA C22.2<br>No.14 | UL98<br>CSA C22.2<br>No.4 |             |            |
| File no.                                   |                            |             | E63822                             | E101914                   |             |            |
| Max. Operating voltage                     |                            |             | 600 V                              | 600 V                     | 600 V       | 600 V      |
| General purpose amp rating                 | pf = 0.7...0.8             |             | 80 A <sup>1,2</sup>                | 30 A                      | 60 A        | 100 A      |
| Max. Horsepower rating / motor FLA current | pf = 0.4...0.5             | 120 V       | 5 hp/30.4 A                        | 5 hp/30.4 A               | 7.5 hp/44 A | 10 hp/56 A |
|  |                            | Three phase | 208 V                              | 20 hp/59.4 A              |             |            |
|  |                            | 240 V       | 20 hp/54 A                         | 10 hp/28 A                | 20 hp/54 A  | 30 hp/80 A |
|  |                            | 480 V       | 40 hp/52 A                         | 20 hp/27 A                | 40 hp/52 A  | 50 hp/65 A |
|  |                            | 600 V       | 40 hp/41 A                         | 30 hp/32 A                | 50 hp/52 A  | 60 hp/62 A |
| Single phase                               |                            | 120 V       | 2 hp/24 A                          | 2 hp/24 A                 | 3 hp/ 34 A  | 5 hp/56 A  |
|  |                            | 208 V       | 10 hp/55 A                         |                           |             |            |
|  |                            | 240 V       | 10 hp/50 A                         | 5 hp/28 A                 | 7.5 hp/40 A | 15 hp/68 A |
|  |                            | 480 V       | 20 hp/44 A                         | 10 hp/26 A                | 15 hp/34 A  | 25 hp/55 A |
|  |                            | 600 V       | 20 hp/39 A                         | 15 hp/27 A                | 25 hp/44 A  | 30 hp/54 A |
| Short circuit rating with fuse             | Maximum fuse size          |             | 100 A   150 A                      | 60 A                      | 60 A        | 100 A      |
|  | Fuse type                  | J           | 100 kA                             | 100 kA                    | 100 kA      | 100 kA     |
|  |                            | T           | 100 kA                             | 100 kA                    | 100 kA      | 100 kA     |
|  |                            | RK5         | 1-phase                            | 5 kA                      |             |            |
|  | RK5                        | 3-phase     | 5 kA                               |                           |             |            |
| Rated amp rating in DC applications        | 250 Vdc 2-Pole connection  |             |                                    | 30 A                      | 60 A        | 100 A      |
| Min. electrical endurance, pf = 0.75...0.8 | electrical operations      |             | 6,000                              | 6,000                     | 6,000       | 6,000      |
| Divide by two for operation cycles         | mechanical operations      |             | 200,000                            | 200,000                   | 200,000     | 200,000    |
| Screw terminal lugs                        |                            |             | integrated                         | integrated                | integrated  | integrated |
| Wire range Copper                          | Single stranded            |             | 16-2 AWG                           | 12-2/0 AWG                | 12-2/0 AWG  | 12-2/0 AWG |
|  | Single solid               |             | 16-10 AWG                          | 12-10 AWG                 |             |            |
|  | Double stranded (2x)       |             | 16-8 AWG                           |                           | 12-4 AWG    | 12-4 AWG   |
|  | Double solid (2x)          |             | 16-10 AWG                          |                           |             |            |
| Terminal tightening torque                 | Counter torque required    |             | 18 lb.in                           | 53 lb.in                  | 53 lb.in    | 53 lb.in   |
|  |                            |             | 2 Nm                               | 6 Nm                      | 6 Nm        | 6 Nm       |
| Weight without accessories                 | 6-pole                     |             | 1.24 lbs                           | 1.93 lbs                  | 1.93 lbs    | 1.93 lbs   |
|  | 8-pole                     |             | 1.55 lbs                           | 2.43 lbs                  | 2.43 lbs    | 2.43 lbs   |
| Operating torque                           | 6-pole switch disconnecter |             | 36 lb.in                           | 36 lb.in                  | 36 lb.in    | 36 lb.in   |
|  |                            |             | 4 Nm                               | 4 Nm                      | 4 Nm        | 4 Nm       |
| Technical data according to IEC 60947-3    |                            |             | OT80G2-                            |                           | OT63G3-     | OT100G3-   |

<sup>1</sup> 75oC cable. 6-pole switches 80A

<sup>2</sup> 75oC cable. 8-pole 73A

## Non-fusible disconnect switches OT16...100

### Selection overview



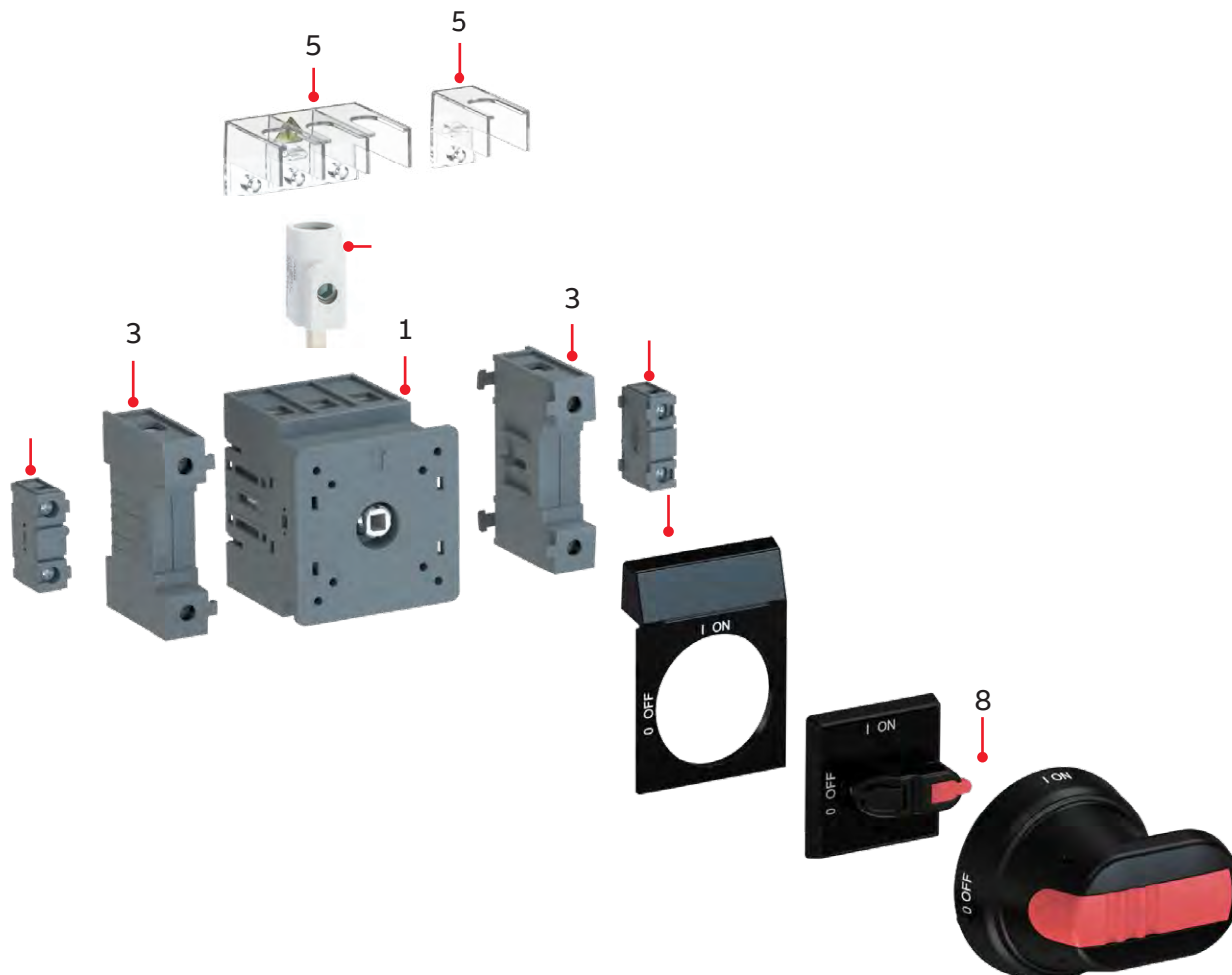
### Accessory guide for OT16F...100F (base and DIN-rail mounted disconnect switches)

- |  |                           |
|--|---------------------------|
| 1. Non-fusible switch                  | 7. Shaft alignment ring   |
| 2. Extended shaft                      | 8. Legend plate           |
| 3. Terminal clamp                      | 9. Selector handle        |
| 4. Fourth pole,<br>N- and PE-terminals | 10. Handle knob           |
| 5. Auxiliary contact                   | 11. Pistol handle         |
| 6. Terminal shroud                     | 12. Conversion kit        |
|  | 13. Labelling accessories |

Please note that listed accessories are not automatically included in your order.

## Non-fusible disconnect switches OT16...100

### Selection overview



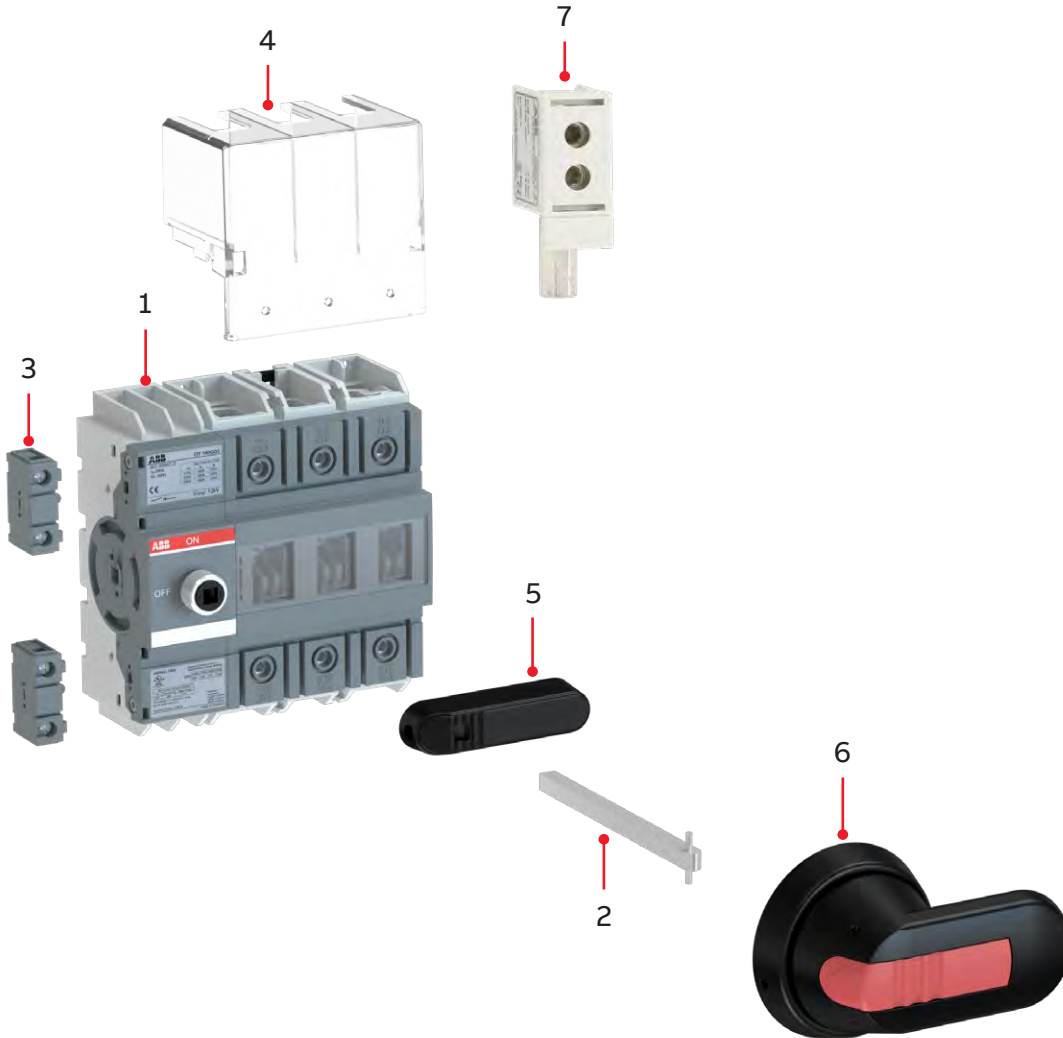
### Accessory guide for OT16F...100F (door mounted disconnect switches)

- |  |                    |
|--|--------------------|
| 1. Non-fusible switch                  | 5. Terminal shroud |
| 2. Terminal clamp                      | 6. Legend plate    |
| 3. Fourth pole,<br>N- and PE-terminals | 7. Selector handle |
| 4. Auxiliary contact                   | 8. Pistol handle   |

Please note that listed accessories are not automatically included in your order.

## Non-fusible disconnect switches OT160

### Selection overview



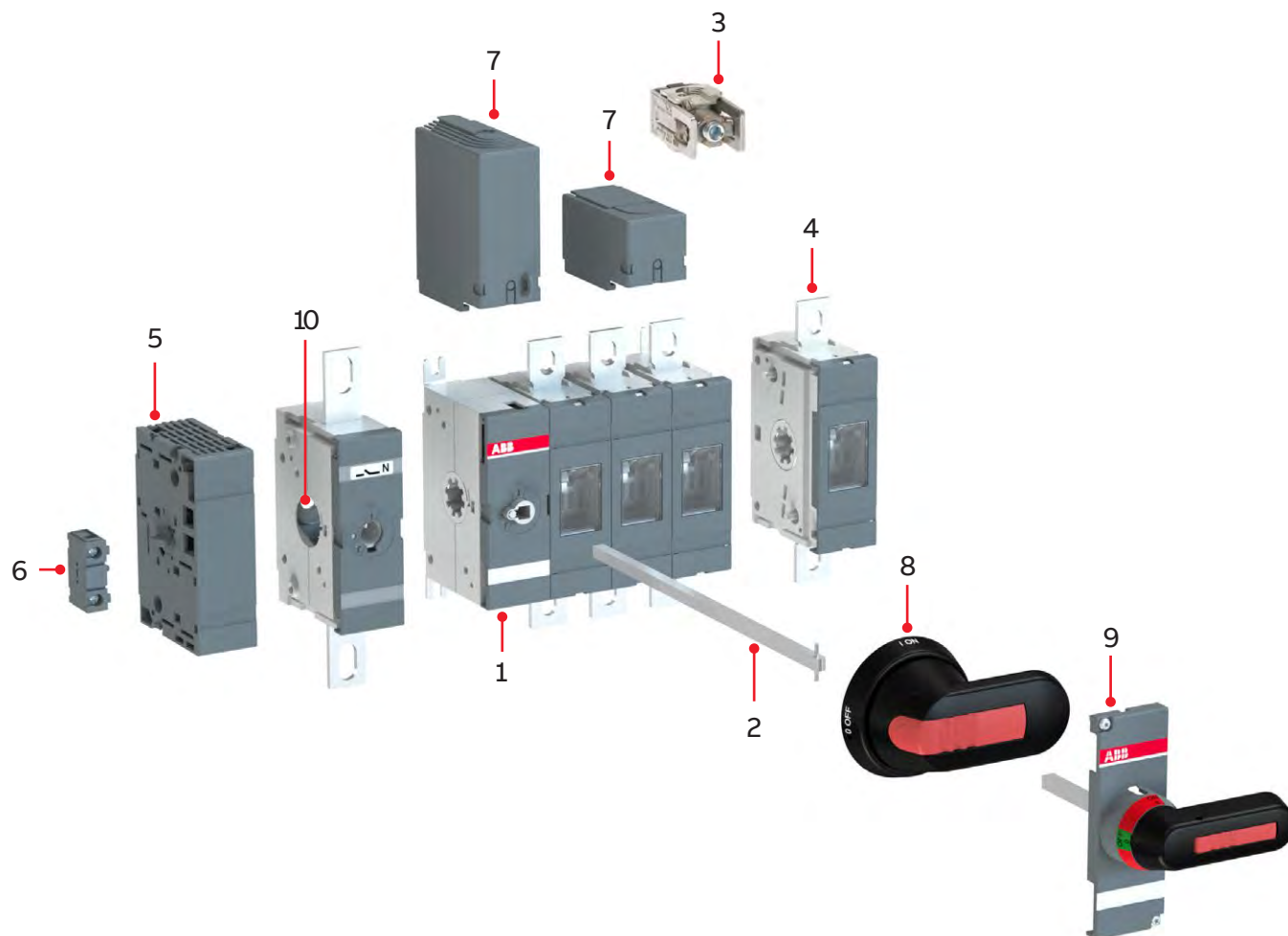
### Accessory guide for OT160G (base and DIN-rail mounted disconnect switches)

- |                       |                   |
|-----------------------|-------------------|
| 1. Non-fusible switch | 5. Handle knob    |
| 2. Extended shaft     | 6. Pistol handle  |
| 3. Auxiliary contact  | 7. Terminal clamp |
| 4. Terminal shroud    |                   |

Please note that listed accessories are not automatically included in your order.

## Non-fusible disconnect switches OT200...2000

### Selection overview



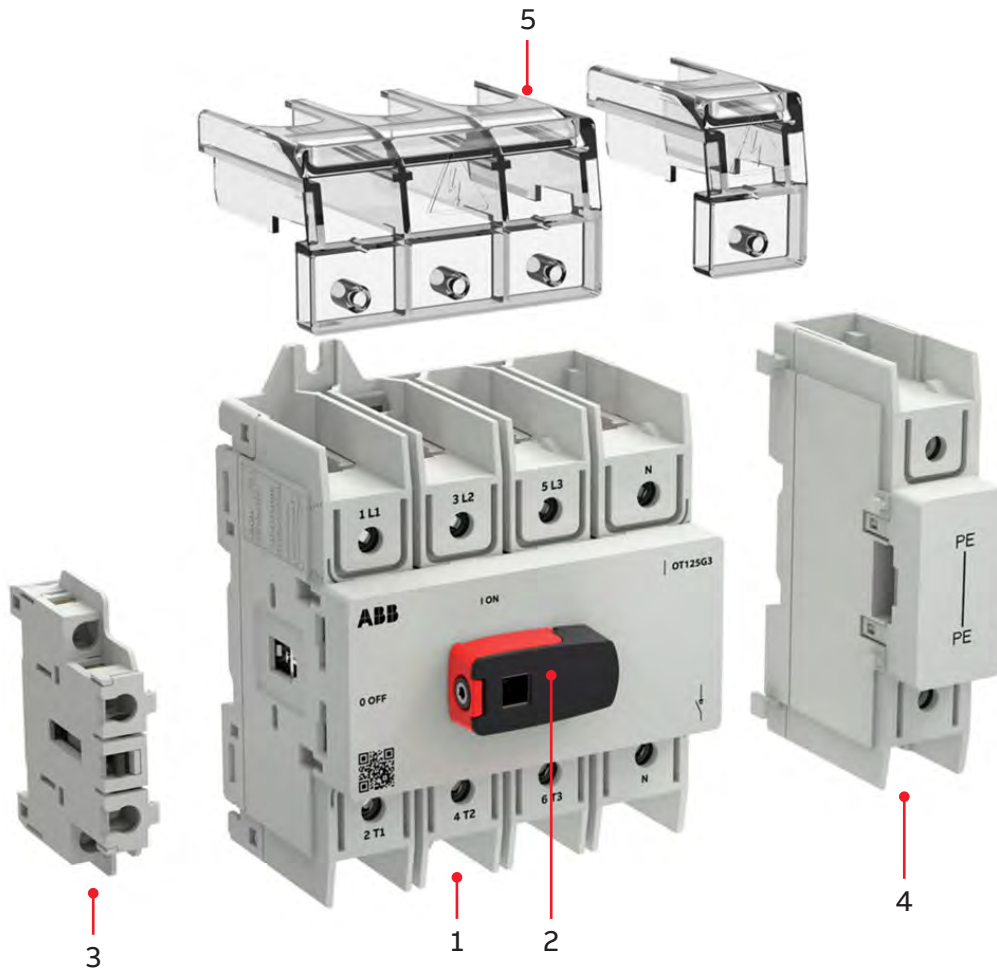
### Accessory guide for OT200...2000

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. Non-fusible switch           | 7. Terminal shroud          |
| 2. Extended shaft               | 8. Pistol handle            |
| 3. Terminal clamp               | 9. Direct mounting handle   |
| 4. Fourth pole                  | 10. Detachable neutral link |
| 5. Module for auxiliary contact |                             |
| 6. Auxiliary contact            |                             |

Please note that listed accessories are not automatically included in your order.

## Non-fusible disconnect switches OT Plus OT20...100

### Selection overview



### Accessory guide for OT Plus OT20...100 (base and DIN-rail mounted disconnect switches)

1. OT Plus switch-disconnector
2. Padlockable direct handle
3. Auxiliary contact 1NO + 1NC
4. Fixed PE or N terminal
5. Terminal shrouds

Please note that listed accessories are not automatically included in your order.

## Non-fusible disconnect switches OT16...100, UL

Ordering information for non-fusible disconnect switches



OT16...40F3



OT63...80F3



OT30...100F3

### Front operated non-fusible disconnect switches, base and DIN-rail mounting, UL/CSA

Handle and shaft are not included.

| Number of poles | Ampere rating<br>A | Horsepower rating 3-phase |               |               | Type      | Order number    | Weight/unit |      |
|-----------------|--------------------|---------------------------|---------------|---------------|-----------|-----------------|-------------|------|
|                 |                    | 240 VAC<br>HP             | 480 VAC<br>HP | 600 VAC<br>HP |           |                 | kg          | lb   |
| 3               | 20                 | 5                         | 10            | 10            | OT16F3    | 1SCA104811R1001 | 0.11        | 0.24 |
| 4               | 20                 | 5                         | 10            | 10            | OT16F4N2  | 1SCA104829R1001 | 0.14        | 0.31 |
| 3               | 30                 | 7.5                       | 15            | 20            | OT25F3    | 1SCA104857R1001 | 0.11        | 0.24 |
| 4               | 30                 | 7.5                       | 15            | 20            | OT25F4N2  | 1SCA104886R1001 | 0.14        | 0.31 |
| 3               | 40                 | 10                        | 20            | 25            | OT40F3    | 1SCA104902R1001 | 0.11        | 0.24 |
| 4               | 40                 | 10                        | 20            | 25            | OT40F4N2  | 1SCA104932R1001 | 0.14        | 0.31 |
| 3               | 60                 | 15                        | 30            | 30            | OT63F3    | 1SCA105332R1001 | 0.27        | 0.60 |
| 4               | 60                 | 15                        | 30            | 30            | OT63F4N2  | 1SCA105365R1001 | 0.30        | 0.66 |
| 3               | 80                 | 20                        | 40            | 40            | OT80F3    | 1SCA105798R1001 | 0.27        | 0.60 |
| 4               | 80                 | 20                        | 40            | 40            | OT80F4N2  | 1SCA105413R1001 | 0.30        | 0.66 |
| 3               | 30                 | 10                        | 20            | 30            | OT30F3    | 1SCA105068R1001 | 0.36        | 0.79 |
| 4               | 30                 | 10                        | 20            | 30            | OT30F4N2  | 1SCA108347R1001 | 0.50        | 1.10 |
| 3               | 60                 | 20                        | 40            | 40            | OT60F3    | 1SCA105076R1001 | 0.36        | 0.79 |
| 4               | 60                 | 20                        | 40            | 40            | OT60F4N2  | 1SCA108348R1001 | 0.50        | 1.10 |
| 3               | 100                | 30                        | 50            | 50            | OT100F3   | 1SCA105004R1001 | 0.36        | 0.79 |
| 4               | 100                | 30                        | 50            | 50            | OT100F4N2 | 1SCA105018R1001 | 0.50        | 1.10 |

Approvals:  
 OT16,25,40,63,80: UL 508. CSA 22-2 No.14  
 OT30,60,100: UL 98. CSA 22-2 No.4



OT16...40F6



OT63...80F8



OT100F8

### Front operated 6- and 8-pole non-fusible disconnect switches, base and DIN-rail mounting, UL/CSA

Handle and shaft are not included.

| Number of poles | Ampere rating<br>A | Horsepower rating 3-phase |               |               | Type    | Order number    | Weight/unit |      |
|-----------------|--------------------|---------------------------|---------------|---------------|---------|-----------------|-------------|------|
|                 |                    | 240 VAC<br>HP             | 480 VAC<br>HP | 600 VAC<br>HP |         |                 | kg          | lb   |
| 6               | 20                 | 5                         | 10            | 10            | OT16F6  | 1SCA104834R1001 | 0.25        | 0.55 |
| 6               | 30                 | 7.5                       | 15            | 20            | OT25F6  | 1SCA104880R1001 | 0.25        | 0.55 |
| 6               | 40                 | 10                        | 20            | 25            | OT40F6  | 1SCA104936R1001 | 0.25        | 0.55 |
| 6               | 60                 | 15                        | 30            | 30            | OT63F6  | 1SCA105379R1001 | 0.61        | 1.35 |
| 6               | 80                 | 20                        | 40            | 40            | OT80F6  | 1SCA105427R1001 | 0.61        | 1.35 |
| 6               | 30                 | 10                        | 20            | 30            | OT30F6  | 1SCA105298R1001 | 1.10        | 2.43 |
| 6               | 60                 | 20                        | 40            | 40            | OT60F6  | 1SCA105307R1001 | 1.10        | 2.43 |
| 6               | 100                | 30                        | 50            | 50            | OT100F6 | 1SCA105021R1001 | 1.10        | 2.43 |
| 8               | 20                 | 5                         | 10            | 10            | OT16F8  | 1SCA104836R1001 | 0.31        | 0.68 |
| 8               | 30                 | 7.5                       | 15            | 20            | OT25F8  | 1SCA104882R1001 | 0.31        | 0.68 |
| 8               | 40                 | 10                        | 20            | 25            | OT40F8  | 1SCA104938R1001 | 0.31        | 0.68 |
| 8               | 60                 | 15                        | 30            | 30            | OT63F8  | 1SCA105381R1001 | 0.67        | 1.48 |
| 8               | 80                 | 20                        | 40            | 40            | OT80F8  | 1SCA105429R1001 | 0.67        | 1.48 |
| 8               | 30                 | 10                        | 20            | 30            | OT30F8  | 1SCA109310R1001 | 1.30        | 2.87 |
| 8               | 100                | 30                        | 50            | 50            | OT100F8 | 1SCA105022R1001 | 1.30        | 2.87 |

Approvals:  
 OT16,25,40,63,80: UL 508. CSA 22-2 No.14  
 OT30,60,100: UL 98. CSA 22-2 No.4

## Non-fusible disconnect switches OT16...100, UL

Ordering information for non-fusible disconnect switches



OT16...40FT3



OT63...80FT3



OT30...100FT3



OT30...100FT4N2

**Front operated non-fusible disconnect switches, door mounting, UL/CSA**  
Handle and shaft not included.

| Number of poles | Ampere rating | Horsepower rating 3-phase |         |         | Type       | Order number    | Weight/unit |      |
|-----------------|---------------|---------------------------|---------|---------|------------|-----------------|-------------|------|
|                 |               | 240 VAC                   | 480 VAC | 600 VAC |            |                 | kg          | lb   |
|                 |               | A                         | HP      | HP      |            |                 |             |      |
| 3               | 20            | 5                         | 10      | 10      | OT16FT3    | 1SCA104838R1001 | 0.13        | 0.29 |
| 4               | 20            | 5                         | 10      | 10      | OT16FT4N2  | 1SCA105711R1001 | 0.16        | 0.35 |
| 3               | 30            | 7.5                       | 15      | 20      | OT25FT3    | 1SCA104884R1001 | 0.13        | 0.29 |
| 4               | 30            | 7.5                       | 15      | 20      | OT25FT4N2  | 1SCA104900R1001 | 0.16        | 0.35 |
| 3               | 40            | 10                        | 20      | 25      | OT40FT3    | 1SCA104940R1001 | 0.13        | 0.29 |
| 4               | 40            | 10                        | 20      | 25      | OT40FT4N2  | 1SCA104956R1001 | 0.16        | 0.35 |
| 3               | 60            | 15                        | 30      | 30      | OT63FT3    | 1SCA105382R1001 | 0.28        | 0.62 |
| 4               | 60            | 15                        | 30      | 30      | OT63FT4N2  | 1SCA105393R1001 | 0.35        | 0.77 |
| 3               | 80            | 20                        | 40      | 40      | OT80FT3    | 1SCA105431R1001 | 0.28        | 0.62 |
| 4               | 80            | 20                        | 40      | 40      | OT80FT4N2  | 1SCA105499R1001 | 0.35        | 0.77 |
| 3               | 30            | 20                        | 40      | 40      | OT30FT3    | 1SCA105074R1001 | 0.44        | 0.97 |
| 4               | 30            | 20                        | 40      | 40      | OT30FT4N2  | 1SCA109443R1001 | 0.56        | 1.23 |
| 3               | 60            | 20                        | 40      | 40      | OT60FT3    | 1SCA105081R1001 | 0.44        | 0.97 |
| 4               | 60            | 20                        | 40      | 40      | OT60FT4N2  | 1SCA109444R1001 | 0.56        | 1.23 |
| 3               | 100           | 30                        | 50      | 50      | OT100FT3   | 1SCA105023R1001 | 0.44        | 0.97 |
| 4               | 100           | 30                        | 50      | 50      | OT100FT4N2 | 1SCA105031R1001 | 0.56        | 1.23 |

Approvals:  
OT16,25,40,63,80: UL 508. CSA 22-2 No.14  
OT30,60,100: UL 98. CSA 22-2 No.4

## Non-fusible disconnect switches OT160, UL

### Ordering information



OT160G03

#### OT160G non-fusible disconnect switches, base and DIN-rail mounting, UL/CSA

Front and side operation is possible with the same handle and shaft.

| Number of poles | Rated operational currents |                        | Type code | Order number    | Weight/unit |      |
|-----------------|----------------------------|------------------------|-----------|-----------------|-------------|------|
|                 | UL98 Listed, 600V          | UL 98 Recognized, 600V |           |                 | kg          | lb   |
|                 | A                          | A                      |           |                 |             |      |
| 3               | 100                        | 125                    | OT160G03  | 1SCA135134R1001 | 1.1         | 2.43 |
| 4               | 100                        | 125                    | OT160G04  | 1SCA135135R1001 | 1.3         | 2.87 |
| 3               | 100                        | 125                    | OT160G30  | 1SCA138207R1001 | 1.1         | 2.43 |
| 4               | 100                        | 125                    | OT160G40  | 1SCA138213R1001 | 1.3         | 2.87 |

Approvals:  
UL98, CSA 22-2 No.4



OT160GT04

#### OT160G non-fusible disconnect switches, door mounting, UL/CSA

Front and side operation is possible with the same handle and shaft.

| Number of poles              | Rated operational currents |                        | Type code | Order number    | Weight/unit |      |
|------------------------------|----------------------------|------------------------|-----------|-----------------|-------------|------|
|                              | UL98 Listed, 600V          | UL 98 Recognized, 600V |           |                 | kg          | lb   |
|                              | A                          | A                      |           |                 |             |      |
| <b>Door mounted versions</b> |                            |                        |           |                 |             |      |
| 3                            | 100                        | 125                    | OT160GT03 | 1SCA135136R1001 | 1.2         | 2.65 |
| 4                            | 100                        | 125                    | OT160GT04 | 1SCA135137R1001 | 1.3         | 2.87 |
| 3                            | 100                        | 125                    | OT160GT30 | 1SCA138220R1001 | 1.2         | 2.65 |
| 4                            | 100                        | 125                    | OT160GT40 | 1SCA138221R1001 | 1.3         | 2.87 |

Approvals:  
UL98, CSA 22-2 No.4

## Non-fusible disconnect switches OT200...2000, UL

Ordering information for non-fusible disconnect switches



OT200U03



OT400U03



OT600U03



OT800...1200U03



OT1600...2000U03

**Front operated non-fusible disconnect switches, base mounting, UL/CSA**  
Handle and shaft need to be ordered separately. Terminal bolts are included.

| Number of poles  | Ampere rating, 600 VAC | Horsepower rating 3-phase |         |         | Type      | Order number    | Weight/unit |       |  |
|--|------------------------|---------------------------|---------|---------|-----------|-----------------|-------------|-------|--|
|  |                        | 240 VAC                   | 480 VAC | 600 VAC |           |                 | kg          | lb    |  |
| A  |                        | HP                        | HP      | HP      |           |                 |             |       |  |
| <b>Handle (NEMA 1, 3R, 12, IP65) and shaft have to be ordered separately</b> |                        |                           |         |         |           |                 |             |       |  |
| 3  | 200                    | 75                        | 150     | 200     | OT200U03  | 1SCA022723R0220 | 1.6         | 3.5   |  |
| 4  | 200                    | 75                        | 150     | 200     | OT200U04  | 1SCA022723R0490 | 2.0         | 4.4   |  |
| 3  | 200                    | 75                        | 150     | 200     | OT200U12  | 1SCA022752R1890 | 1.6         | 3.5   |  |
| 4  | 200                    | 75                        | 150     | 200     | OT200U22  | 1SCA022741R8960 | 2.0         | 4.4   |  |
| 3  | 400                    | 125                       | 250     | 350     | OT400U03  | 1SCA022747R6490 | 3.0         | 6.6   |  |
| 4  | 400                    | 125                       | 250     | 350     | OT400U04  | 1SCA022748R1060 | 3.6         | 7.9   |  |
| 3  | 400                    | 125                       | 250     | 350     | OT400U12  | 1SCA022754R6450 | 3.0         | 6.6   |  |
| 4  | 400                    | 125                       | 250     | 350     | OT400U22  | 1SCA022762R7110 | 3.6         | 7.9   |  |
| 3  | 600                    | 200                       | 450     | 500     | OT600U03  | 1SCA022798R0730 | 6.2         | 13.7  |  |
| 4  | 600                    | 200                       | 450     | 500     | OT600U04  | 1SCA022800R1750 | 7.5         | 16.5  |  |
| 3  | 600                    | 200                       | 450     | 500     | OT600U12  | 1SCA022800R1830 | 6.2         | 13.7  |  |
| 4  | 600                    | 200                       | 450     | 500     | OT600U22  | 1SCA022800R2130 | 7.5         | 16.5  |  |
| 3  | 800                    | 250                       | 500     | 500     | OT800U03  | 1SCA105635R1001 | 18          | 39.7  |  |
| 4  | 800                    | 250                       | 500     | 500     | OT800U04  | 1SCA105636R1001 | 21          | 46.3  |  |
| 3  | 800                    | 250                       | 500     | 500     | OT800U12  | 1SCA105637R1001 | 18          | 39.7  |  |
| 4  | 800                    | 250                       | 500     | 500     | OT800U22  | 1SCA105639R1001 | 21          | 46.3  |  |
| 3  | 1200                   | -                         | -       | -       | OT1200U03 | 1SCA022860R6820 | 18          | 39.7  |  |
| 4  | 1200                   | -                         | -       | -       | OT1200U04 | 1SCA022860R7040 | 21          | 46.3  |  |
| 3  | 1200                   | -                         | -       | -       | OT1200U12 | 1SCA105659R1001 | 18          | 39.7  |  |
| 4  | 1200                   | -                         | -       | -       | OT1200U22 | 1SCA105663R1001 | 21          | 46.3  |  |
| 2  | 1600                   | -                         | -       | -       | OT1600U02 | 1SCA144197R1001 | 37          | 81.6  |  |
| 3  | 1600                   | -                         | -       | -       | OT1600U03 | 1SCA144198R1001 | 52          | 114.6 |  |
| 4  | 1600                   | -                         | -       | -       | OT1600U04 | 1SCA144199R1001 | 69          | 152.1 |  |
| 3  | 1600                   | -                         | -       | -       | OT1600U12 | 1SCA144200R1001 | 52          | 114.6 |  |
| 4  | 1600                   | -                         | -       | -       | OT1600U13 | 1SCA144201R1001 | 69          | 152.1 |  |
| 4  | 1600                   | -                         | -       | -       | OT1600U22 | 1SCA144202R1001 | 69          | 152.1 |  |
| 2  | 2000                   | -                         | -       | -       | OT2000U02 | 1SCA144203R1001 | 37          | 81.6  |  |
| 3  | 2000                   | -                         | -       | -       | OT2000U03 | 1SCA117313R1001 | 52          | 114.6 |  |
| 4  | 2000                   | -                         | -       | -       | OT2000U04 | 1SCA117316R1001 | 69          | 152.1 |  |
| 3  | 2000                   | -                         | -       | -       | OT2000U12 | 1SCA117332R1001 | 52          | 114.6 |  |
| 4  | 2000                   | -                         | -       | -       | OT2000U13 | 1SCA117336R1001 | 69          | 152.1 |  |
| 4  | 2000                   | -                         | -       | -       | OT2000U22 | 1SCA117334R1001 | 69          | 152.1 |  |

Approvals:  
UL 98, CSA 22-2 No. 4

### Recommended shafts and handles

| Suitable for switches | Shaft     | Handle    | Terminal bolt kits included |
|-----------------------|-----------|-----------|-----------------------------|
| OT200U_               | OXp6X210  | OHB65J6   | M8x25                       |
| OT400U_               | OXp12X185 | OHB95J12  | M10x30                      |
| OT600U_               | OXp12X185 | OHB125J12 | M12x40                      |
| OT800...2000U_        | OXp12X280 | OHB274J12 | M12X60                      |

## Non-fusible disconnect switches OT200...600, UL

Ordering information for side operated non-fusible disconnect switches



OT200US03



OT400US03



OT600US03

### Side operated non-fusible disconnect switches, base mounting, UL/CSA Including terminal bolt kit.

| Number of poles                                       | Ampere rating | Horsepower rating 3-phase |         |         | Type      | Order number    | Weight/unit |       |
|---|---------------|---------------------------|---------|---------|-----------|-----------------|-------------|-------|
|   |               | 240 VAC                   | 480 VAC | 600 VAC |           |                 | kg          | lb    |
|   |               | A                         | HP      | HP      |           |                 |             |       |
| <b>Handle and shaft have to be ordered separately</b> |               |                           |         |         |           |                 |             |       |
| 3   | 200           | 75                        | 150     | 200     | OT200US03 | 1SCA022870R6290 | 1.755       | 3.86  |
| 4   | 200           | 75                        | 150     | 200     | OT200US04 | 1SCA022870R6370 | 2.155       | 4.74  |
| 3   | 400           | 125                       | 250     | 350     | OT400US03 | 1SCA022870R6610 | 3.06        | 6.73  |
| 4   | 400           | 125                       | 250     | 350     | OT400US04 | 1SCA022870R6700 | 3.56        | 7.83  |
| 3   | 600           | 200                       | 400     | 500     | OT600US03 | 1SCA022870R7000 | 6.2         | 13.64 |
| 4   | 600           | 200                       | 400     | 500     | OT600US04 | 1SCA022870R7260 | 6.2         | 13.64 |

Approvals:  
OT200, 400, 600: UL 98, CSA 22-2 No. 4

### Recommended shafts and handles

| Suitable for switches | Shaft     | Handle        | Terminal bolts included as standard |
|-----------------------|-----------|---------------|-------------------------------------|
| OT200US               | OXp6X210  | OHB65J6E00S   | M8x25                               |
| OT400US_600US         | OXp12X185 | OHB145J12E00S | M10x30                              |

## Non-fusible disconnect switches OT Plus OT20...100, UL

Ordering information for door mounted non-fusible disconnect switches



### UL60947-4-1 and UL98

Front operated switch disconnectors, base and DIN-rail mounting with screw terminals. Including padlockable direct mounted handle, and protected terminal clamps IP20 from front. External operating handle and shaft are not included.

OT63...80G2-3BS

### UL60947-4-1 – Operational voltage: <600VAC



OT63...80G2-4BSN2



OT30...100G3-3BS



OT30...100G3-4BSN2

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type          | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|---------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |               |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |               |                 |
| 3               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-3BS    | 1SCA163391R1001 |
| 4               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-4BSN2  | 1SCA163407R1001 |
| 6               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-6BS    | 1SCA163692R1001 |
| 8               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-8BS    | 1SCA163695R1001 |
| 3               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-3BS    | 1SCA163452R1001 |
| 4               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-4BSN2  | 1SCA163468R1001 |
| 6               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-6BS    | 1SCA163706R1001 |
| 8               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-8BS    | 1SCA163709R1001 |
| 3               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-3BS    | 1SCA163478R1001 |
| 4               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-4BSN2  | 1SCA163497R1001 |
| 6               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-6BS    | 1SCA163713R1001 |
| 8               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-8BS    | 1SCA163716R1001 |
| 3               | 50                         | 18...6            | 10                        | 25     | 30     | G1         | OT50G1-3BS    | 1SCA163510R1001 |
| 4               | 50                         | 18...6            | 10                        | 25     | 30     | G1         | OT50G1-4BSN2  | 1SCA163518R1001 |
| 6               | 50                         | 18...6            | 10                        | 25     | 30     | G1         | OT50G1-6BS    | 1SCA163720R1001 |
| 8               | 50                         | 18...6            | 10                        | 25     | 30     | G1         | OT50G1-8BS    | 1SCA163723R1001 |
| 3               | 63                         | 16...2            | 15                        | 30     | 30     | G2         | OT63G2-3BS    | 1SCA162548R1001 |
| 4               | 63                         | 16...2            | 15                        | 30     | 30     | G2         | OT63G2-4BSN2  | 1SCA162559R1001 |
| 6               | 63                         | 16...2            | 15                        | 30     | 30     | G2         | OT63G2-6BS    | 1SCA162677R1001 |
| 8               | 63                         | 16...2            | 15                        | 30     | 30     | G2         | OT63G2-8BS    | 1SCA162678R1001 |
| 3               | 80                         | 16...2            | 20                        | 40     | 40     | G2         | OT80G2-3BS    | 1SCA162549R1001 |
| 4               | 80                         | 16...2            | 20                        | 40     | 40     | G2         | OT80G2-4BSN2  | 1SCA162561R1001 |
| 6               | 80                         | 16...2            | 20                        | 40     | 40     | G2         | OT80G2-6BS    | 1SCA162679R1001 |
| 8               | 80                         | 16...2            | 20                        | 40     | 40     | G2         | OT80G2-8BS    | 1SCA162680R1001 |
| 3               | 100                        | 16...2            | 20                        | 40     | 50     | G2         | OT100G2-3BS   | 1SCA162547R1001 |
| 4               | 100                        | 16...2            | 20                        | 40     | 50     | G2         | OT100G2-4BSN2 | 1SCA162557R1001 |

### UL98 – Operational voltage: <600VAC

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type          | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|---------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |               |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |               |                 |
| 3               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-3BS    | 1SCA162539R1001 |
| 4               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-4BSN2  | 1SCA162545R1001 |
| 6               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-6BS    | 1SCA162673R1001 |
| 8               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-8BS    | 1SCA162674R1001 |
| 3               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-3BS    | 1SCA162540R1001 |
| 4               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-4BSN2  | 1SCA162546R1001 |
| 6               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-6BS    | 1SCA162675R1001 |
| 8               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-8BS    | 1SCA162676R1001 |
| 3               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-3BS   | 1SCA162507R1001 |
| 4               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-4BSN2 | 1SCA162513R1001 |
| 6               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-6BS   | 1SCA162667R1001 |
| 8               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-8BS   | 1SCA162668R1001 |

## Non-fusible disconnect switches OT Plus OT20...100, UL

Ordering information for door mounted non-fusible disconnect switches



### UL60947-4-1 and UL98

Door mounted switch disconnectors, with screw terminals. Including finger proof protected terminal clamps from front. External operating handle and shaft are not included.



### UL60947-4-1 – Operational voltage: <600VAC

OT63...80G2-4DSN2

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type         | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|--------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |              |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |              |                 |
| 3               | 63                         | 14...4            | 15                        | 30     | 30     | G2         | OT63G2-3DS   | 1SCA162567R1001 |
| 4               | 63                         | 14...4            | 15                        | 30     | 30     | G2         | OT63G2-4DSN2 | 1SCA162568R1001 |
| 3               | 80                         | 14...4            | 20                        | 40     | 40     | G2         | OT80G2-3DS   | 1SCA162569R1001 |
| 4               | 80                         | 14...4            | 20                        | 40     | 40     | G2         | OT80G2-4DSN2 | 1SCA162570R1001 |



OT30...100G3-3DS

### UL98 – Operational voltage: <600VAC



OT30...100G3-4DSN2

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type          | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|---------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |               |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |               |                 |
| 3               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-3DS    | 1SCA162539R1001 |
| 4               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-4DSN2  | 1SCA162545R1001 |
| 6               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-6DS    | 1SCA162673R1001 |
| 8               | 30                         | 12...2/0          | 10                        | 20     | 30     | G3         | OT30G3-8DS    | 1SCA162674R1001 |
| 3               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-3DS    | 1SCA162540R1001 |
| 4               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-4DSN2  | 1SCA162546R1001 |
| 6               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-6DS    | 1SCA162675R1001 |
| 8               | 60                         | 12...2/0          | 20                        | 40     | 50     | G3         | OT60G3-8DS    | 1SCA162676R1001 |
| 3               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-3DS   | 1SCA162507R1001 |
| 4               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-4DSN2 | 1SCA162513R1001 |
| 6               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-6DS   | 1SCA162667R1001 |
| 8               | 100                        | 12...2/0          | 30                        | 50     | 60     | G3         | OT100G3-8DS   | 1SCA162668R1001 |

## Non-fusible disconnect switches OT Plus OT20...100, UL

Ordering information for front operated non-fusible disconnect switches with spring terminals



OT20...40G1-3MQ

### UL60947-4-1 Quick Spring Terminals

Including padlockable direct mounted handle for base and DIN-rail, and finger proof terminal clamps from front. External operating handle and shaft are not included. M-type switches are suitable for DIN panel mounting including DIN adapter.



OT40G1-4MQN2



OT20...40G1-3BQ



OT20...40G1-4BQN2



OT20...40G1-3DQ



OT40G1-4DQN2

### UL60947-4-1 – Operational voltage: <600VAC

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type         | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|--------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |              |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |              |                 |
| 3               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-3MQ   | 1SCA163398R1001 |
| 3               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-3BQ   | 1SCA163388R1001 |
| 4               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-4BQN2 | 1SCA163404R1001 |
| 3               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-3MQ   | 1SCA163459R1001 |
| 3               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-3BQ   | 1SCA163449R1001 |
| 4               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-4BQN2 | 1SCA163465R1001 |
| 3               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-3MQ   | 1SCA163485R1001 |
| 4               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-4MQN2 | 1SCA163504R1001 |
| 3               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-3BQ   | 1SCA163475R1001 |
| 4               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-4BQN2 | 1SCA163491R1001 |

### UL60947-4-1 – Operational voltage: <600VAC

| Number of poles | General purpose amp rating | Copper wire range | Horsepower rating 3-phase |        |        | Frame size | Type         | Order number    |
|-----------------|----------------------------|-------------------|---------------------------|--------|--------|------------|--------------|-----------------|
|                 |                            |                   | 240VAC                    | 480VAC | 600VAC |            |              |                 |
|                 |                            |                   | A                         | AWG    | HP     |            |              |                 |
| 3               | 20                         | 18...6            | 5                         | 10     | 10     | G1         | OT20G1-3DQ   | 1SCA163394R1001 |
| 3               | 30                         | 18...6            | 7.5                       | 15     | 20     | G1         | OT30G1-3DQ   | 1SCA163455R1001 |
| 3               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-3DQ   | 1SCA163481R1001 |
| 4               | 40                         | 18...6            | 10                        | 20     | 25     | G1         | OT40G1-4DQN2 | 1SCA163500R1001 |

## Accessories for non-fusible disconnect switches OT16...160

Ordering information for handle knobs



OHBS1



OHRS2



OHBS3



OHRS3



OHRS9



OHBS11



OHBS12



OHBS16

### Handle knobs for base and DIN-rail mounted switches

Mounting directly to the switch, no shaft needed. Packing includes 10pcs.

| Type                  | Order number    | Color | Handle length | Weight/ unit |
|-----------------------|-----------------|-------|---------------|--------------|
|                       |                 |       | mm            | kg           |
| OHBS1                 | 1SCA109087R1001 | Black | 31            | 0.01         |
| OHBS1/1 <sup>1</sup>  | 1SCA109088R1001 | Black | 31            | 0.01         |
| OHBS2                 | 1SCA109089R1001 | Black | 40            | 0.01         |
| OHBS2/1 <sup>1</sup>  | 1SCA109090R1001 | Black | 40            | 0.01         |
| OHBS3                 | 1SCA108320R1001 | Black | 39            | 0.01         |
| OHBS3/1 <sup>1</sup>  | 1SCA108319R1001 | Black | 39            | 0.01         |
| OHBS9                 | 1SCA108665R1001 | Black | 72            | 0.01         |
| OHBS9/1 <sup>1</sup>  | 1SCA108689R1001 | Black | 72            | 0.01         |
| OHBS11                | 1SCA109092R1001 | Black | 57            | 0.01         |
| OHBS12                | 1SCA108252R1001 | Black | 37            | 0.01         |
| OHBS13                | 1SCA112046R1001 | Black | 72            | 0.019        |
| OHBS13/1 <sup>1</sup> | 1SCA112047R1001 | Black | 72            | 0.019        |
| OHBS14                | 1SCA152488R1001 | Black | 40            | 0.01         |
| OHBS16                | 1SCA149863R1001 | Black | 74            | 0.01         |
| OHRS1                 | 1SCA109095R1001 | Red   | 31            | 0.01         |
| OHRS1/1 <sup>1</sup>  | 1SCA109096R1001 | Red   | 31            | 0.01         |
| OHRS2                 | 1SCA108598R1001 | Red   | 40            | 0.01         |
| OHRS2/1 <sup>1</sup>  | 1SCA108599R1001 | Red   | 40            | 0.01         |
| OHRS3                 | 1SCA108667R1001 | Red   | 39            | 0.01         |
| OHRS3/1 <sup>1</sup>  | 1SCA108688R1001 | Red   | 39            | 0.01         |
| OHRS9                 | 1SCA108666R1001 | Red   | 72            | 0.01         |
| OHRS9/1 <sup>1</sup>  | 1SCA108690R1001 | Red   | 72            | 0.01         |
| OHRS12                | 1SCA108253R1001 | Red   | 37            | 0.01         |
| YAST1                 | 1SCA022301R5350 | Black | 72            | 0.023        |

<sup>1</sup>Delivery batch 1pc

### Direct handles for OT16F...100F\_ and OT160G\_

|                        |                                      | Knob non-padlockable         | Knob padlockable         | Knob shaft through non-padlockable | Knob shaft through padlockable |
|------------------------|--------------------------------------|------------------------------|--------------------------|------------------------------------|--------------------------------|
| Switches 3- and 4-pole | OT16F3/F4<br>OT25F3/F4<br>OT40F3/F4  | OHBS1, OHRS1<br>OHBS3, OHRS3 | OHBS7 (3P)<br>OHBS8 (4P) | Standard knob                      | OHBS12, OHRS12                 |
|                        | OT63F3/F4<br>OT80F3/F4               | OHBS1, OHRS1<br>OHBS3, OHRS3 | OHBS2, OHRS2             | Standard knob                      | OHBS14                         |
|                        | OT30F3/F4<br>OT60F3/F4<br>OT100F3/F4 | OHBS3, OHRS3                 | OHBS2, OHRS2             | Standard knob                      | OHBS11 <sup>1</sup> , OHBS14   |
|                        | OT160G3/4                            | YAST1                        | -                        | OHBS13, OHRS13                     | OHBS16 <sup>1</sup>            |
|                        | OT16F6/F8<br>OT25F6/F8<br>OT40F6/F8  | OHBS3, OHRS3                 | -                        | Standard knob                      | OHBS12, OHRS12                 |
| Switches 6- and 8-pole | OT63F6/F8<br>OT80F6/F8               | OHBS9, OHRS9                 | -                        | -                                  | OHBS12, OHRS12                 |
|                        | OT30F6/F8<br>OT60F6/F8<br>OT100F6/F8 | OHBS9, OHRS9                 | -                        | -                                  | OHBS11 <sup>1</sup>            |

<sup>1</sup>Suitable for 3 padlocks with bail diameter 5mm

## Accessories for non-fusible disconnect switches OT16...160

### Ordering information for handles



OHYS7



OHBS8

#### Adapter handles, for base and DIN-rail mounted installation switches Mounting directly to the switch, no shaft needed.

| Suitable for switches | Color | Type  | Order number    | Weight/<br>unit<br>kg |
|-----------------------|-------|-------|-----------------|-----------------------|
| OT16...25F3, OT40F3   | Black | OHBS7 | 1SCA108546R1001 | 0.08                  |
|                       | Black | OHBS8 | 1SCA108545R1001 | 0.08                  |
|                       | Red   | OHYS7 | 1SCA109852R1001 | 0.08                  |
|                       | Red   | OHYS8 | 1SCA109862R1001 | 0.08                  |

| Handle type    | Shaft through the handle | 45mm cut-out enable <sup>1</sup> |
|----------------|--------------------------|----------------------------------|
| OHBS7_, OHR57_ | No                       | Yes                              |
| OHBS8_, OHR58_ | No                       | Yes                              |

<sup>1</sup>In I-position the handle shall remain within the cut-out height

#### Selector handles for base and DIN-rail mounted switches

For shaft diameter 6mm, door drilling 22.5mm. Indication I-O and ON-OFF.



OHBS3AH



OHYS3AH



OHBS2AJ



OHYS2AJ



OHBS2AJ\_EH

| Suitable for switches         | Color      | Type    | Order number    | Weight/<br>unit<br>kg |
|-------------------------------|------------|---------|-----------------|-----------------------|
| <b>IP54 handles, NEMA 1</b>   |            |         |                 |                       |
| OT16...25F, OT40F, OT63...80F | Black      | OHBS1AH | 1SCA102680R1001 | 0.05                  |
|                               | Red-yellow | OHYS1AH | 1SCA105290R1001 | 0.05                  |

| Door interlock in ON-position |            |          |                 |      |
|-------------------------------|------------|----------|-----------------|------|
| OT16...25F, OT40F, OT63...80F | Black      | OHBS1AH1 | 1SCA105210R1001 | 0.05 |
|                               | Red-yellow | OHYS1AH1 | 1SCA105291R1001 | 0.05 |

| Padlockable with one padlock with bail diameter 5...6.3mm |            |         |                 |      |
|---|------------|---------|-----------------|------|
| OT16...100F   | Black      | OHBS3AH | 1SCA105234R1001 | 0.05 |
|   | Red-yellow | OHYS3AH | 1SCA105325R1001 | 0.05 |

| Padlockable with one padlock with bail diameter 5...6.3mm, door interlock in ON-position |            |          |                 |      |
|--|------------|----------|-----------------|------|
| OT16...100F  | Black      | OHBS3AH1 | 1SCA105235R1001 | 0.05 |
|  | Red-yellow | OHYS3AH1 | 1SCA105326R1001 | 0.05 |

| IP65 handles, NEMA 1, 3R, 12  |            |         |                 |      |
|---|------------|---------|-----------------|------|
| Padlockable with max. 3 padlocks with bail diameter 5...8mm, defeatable door interlock in ON-position, door interlocking in OFF-position when padlocked |            |         |                 |      |
| OT16...100F   | Black      | OHBS2AJ | 1SCA105213R1001 | 0.07 |
|   | Red-yellow | OHYS2AJ | 1SCA105296R1001 | 0.07 |

| Padlockable with max. 3 padlocks with bail diameter 5...8mm, door interlock in ON-position |            |          |                 |      |
|--|------------|----------|-----------------|------|
| OT16...100F  | Black      | OHBS2AJ1 | 1SCA105215R1001 | 0.07 |
|  | Red-yellow | OHYS2AJ1 | 1SCA105297R1001 | 0.07 |

#### Selector handle with metal hasp

| IP65 handles, NEMA 1, 3R, 12  |       |            |                 |      |
|---|-------|------------|-----------------|------|
| Padlockable with max. 3 padlocks, door interlock in the ON-position, defeatable     |       |            |                 |      |
| OT16...100F   | Black | OHBS2AJEH  | 1SCA108230R1001 | 0.07 |
| Padlockable with max. 3 padlocks, door interlock in the ON-position, non-defeatable |       |            |                 |      |
| OT16...100F   | Black | OHBS2AJ1EH | 1SCA105217R1001 | 0.07 |

Door interlocking in ON-position means that the door can not be opened, when the handle is in ON-position. This can be defeated in IP65 types to allow authorized personnel access for inspection. The padlocked handle is not defeatable.

## Accessories for non-fusible disconnect switches OT16...160

Ordering information for handles



OHBS3PH, RH



OHYS3PH, RH



OHBS2PJ, RH



OHYS2PJ, RH

**Selector handles for door mounted switches**  
Indication I-O and ON-OFF. No separate shaft needed.

| Suitable for switches  | Color      | Type    | Order number    | Weight/<br>unit<br>kg |
|--|------------|---------|-----------------|-----------------------|
| <b>Snap-on mounting, door drilling 22.5mm</b>  |            |         |                 |                       |
| <b>No padlocking, IP54, NEMA 1</b>   |            |         |                 |                       |
| OT16...25FT, OT40FT  | Black      | OHBS1PH | 1SCA105211R1001 | 0.05                  |
|  | Red-yellow | OHYS1PH | 1SCA105294R1001 | 0.05                  |
| <b>Padlockable with one padlock, IP54, NEMA 1</b>                                    |            |         |                 |                       |
| OT16...25FT, OT40FT  | Black      | OHBS3PH | 1SCA105236R1001 | 0.05                  |
|  | Red-yellow | OHYS3PH | 1SCA105327R1001 | 0.05                  |
| <b>Padlockable with max. 3 padlocks, IP65, NEMA 1, 3R, 12</b>                        |            |         |                 |                       |
| OT16...25FT, OT40FT  | Black      | OHBS2PJ | 1SCA105231R1001 | 0.07                  |
|  | Red-yellow | OHYS2PJ | 1SCA105322R1001 | 0.07                  |
| <b>Screw mounting, hole distance 36mm</b>  |            |         |                 |                       |
| <b>No padlocking, IP54, NEMA 1</b>   |            |         |                 |                       |
| OT16...25FT, OT40FT,<br>OT63...80FT  | Black      | OHBS1RH | 1SCA105212R1001 | 0.05                  |
|  | Red-yellow | OHYS1RH | 1SCA105295R1001 | 0.05                  |
| <b>Padlockable with one padlock, IP54, NEMA 1</b>                                    |            |         |                 |                       |
| OT16...25FT, OT40FT,<br>OT63...80FT  | Black      | OHBS3RH | 1SCA105237R1001 | 0.05                  |
|  | Red-yellow | OHYS3RH | 1SCA105328R1001 | 0.05                  |
| <b>Padlockable with max. 3 padlocks, IP65, hole distance 36/48mm, NEMA 1, 3R, 12</b> |            |         |                 |                       |
| OT16...100FT   | Black      | OHBS2RJ | 1SCA105232R1001 | 0.07                  |
|  | Red-yellow | OHYS2RJ | 1SCA105323R1001 | 0.07                  |

Door interlocking in ON-position means that the door can not be opened, when the handle is in ON-position. This can be defeated in IP65 types to allow authorized personnel access for inspection. The padlocked handle is not defeatable.

## Accessories for non-fusible disconnect switches OT16...160

Ordering information for handles



OPBS1



OPB2



OPG2



OPS2



OPBS1EN1



OPSS1EN1



OPB2EN1



OPG2EN1



OPS2EN1

### Legend plates for selector handles

| Color   | Type     | Order number    | Weight/<br>unit<br>kg |
|---|----------|-----------------|-----------------------|
| <b>Plain plates for OH 1_ and OH 3_ handles</b>                     |          |                 |                       |
| Black   | OPBS1    | 1SCA111519R1001 | 0.01                  |
| Yellow  | OPYS1    | 1SCA111528R1001 | 0.01                  |
| Silver  | OPSS1    | 1SCA111523R1001 | 0.01                  |
| Grey  | OPGS1    | 1SCA111563R1001 | 0.01                  |
| <b>Plain plates for OH 2_ handles</b>                               |          |                 |                       |
| Black   | OPB2     | 1SCA022353R4110 | 0.01                  |
| Yellow  | OPY2     | 1SCA022353R4200 | 0.01                  |
| Silver  | OPS2     | 1SCA022353R4460 | 0.01                  |
| Grey  | OPG2     | 1SCA022353R4380 | 0.01                  |
| <b>Printed plates for OH 1_ and OH3_ handles. Text: MAIN SWITCH</b> |          |                 |                       |
| Black   | OPBS1EN1 | 1SCA111520R1001 | 0.01                  |
| Yellow  | OPYS1EN1 | 1SCA111530R1001 | 0.01                  |
| Silver  | OPSS1EN1 | 1SCA111525R1001 | 0.01                  |
| Grey  | OPGS1EN1 | 1SCA111526R1001 | 0.01                  |
| <b>Printed plates for OH 2_ handles. Text: MAIN SWITCH</b>          |          |                 |                       |
| Black   | OPB2EN1  | 1SCA022400R2070 | 0.01                  |
| Yellow  | OPY2EN1  | 1SCA022400R2740 | 0.01                  |
| Silver  | OPS2EN1  | 1SCA022400R2230 | 0.01                  |
| Grey  | OPG2EN1  | 1SCA022400R2310 | 0.01                  |

## Accessories for non-fusible disconnect switches OT16...160

Ordering information for handles



OZ331\_B



OZ331\_RY



OZ371PB



OHZX6



OHB65J6E00S



OHY65J6E00S

### Round padlockable handles for base and DIN-rail mounted switches OT16...100

Padlockable in 0-position, max 3 padlocks with max 8 mm hasp diameter. Indication I-O and ON-OFF.

| Suitable for switches   | Color      | Type       | Order number    | Weight/unit<br>kg |
|---|------------|------------|-----------------|-------------------|
| <b>One hole mounting handle, IP65, NEMA 4X outdoor, size 66x66</b>                          |            |            |                 |                   |
| OT16...100F   | Black      | OZ331SPB   | 1SCA112983R1001 | 0.05              |
|   | Red-yellow | OZ331SPRY  | 1SCA113097R1001 | 0.05              |
| <b>IP67, NEMA 4X, size 66x66</b>  |            |            |                 |                   |
| OT16...100F   | Black      | OZ331P67B  | 1SCA111427R1001 | 0.04              |
|   | Red-yellow | OZ331P67RY | 1SCA111429R1001 | 0.04              |
| <b>Handles with door coupling in ON-position, not defeatable, IP65, NEMA 4X, size 66x66</b> |            |            |                 |                   |
| Shaft alignment ring for OZ371P_ handle, see page 9-63.                                     |            |            |                 |                   |
| OT16...100F   | Black      | OZ371PB    | 1SCA111684R1001 | 0.05              |
|   | Red-yellow | OZ371PRY   | 1SCA111685R1001 | 0.05              |

### Pistol handle mounting kit for OT30FT, OT60FT, OT100FT and OT160GT switches

Mounting kit OHZX6 consists of door mount handle fixing plate, screws and shaft. The pistol handle is not included.

| Suitable for switches            | Color | Type  | Order number    | Weight/unit<br>kg |
|----------------------------------|-------|-------|-----------------|-------------------|
| OT30FT, OT60FT, OT100FT, OT160GT | Black | OHZX6 | 1SCA022559R5670 | 0.01              |

### Pistol handle for side operated non-fusible switches

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.

| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/ON-OFF</b> |                    |               |                 |                     |
|---|--------------------|---------------|-----------------|---------------------|
| Color   | Handle length [mm] | Type          | Order number    | Weight/unit<br>[kg] |
| <b>For shaft diameter 6mm (for OT200US)</b>                       |                    |               |                 |                     |
| Black   | 65                 | OHB65J6E00S   | 1SCA022382R9850 | 0.14                |
| Red-yellow  | 65                 | OHY65J6E00S   | 1SCA022382R9930 | 0.14                |
| <b>For shaft diameter 12mm (for OT400...600US)</b>                |                    |               |                 |                     |
| Grey  | 145                | OHB145J12E00S | 1SCA022679R9700 | 0.17                |

## Accessories for non-fusible disconnect switches OT16...2000

### Ordering information for handles



OHB45J6

#### Pistol handle for front operated fusible switches

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.

#### For shaft diameter 6mm (for OT16...200)

| Color  | Handle length (mm) | Type       | Order number    | Weight/unit (kg) |
|--|--------------------|------------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/ON-OFF, grey: I-O</b>           |                    |            |                 |                  |
| Black  | 45                 | OHB45J6    | 1SCA022380R8770 | 0.13             |
| Black  | 45                 | OHB45J6E20 | 1SCA022643R7200 | 0.13             |
| Red-yellow   | 45                 | OHY45J6    | 1SCA022380R8930 | 0.13             |
| Red-yellow   | 45                 | OHY45J6E20 | 1SCA151779R1001 | 0.13             |
| Grey   | 45                 | OHG45J6    | 1SCA022380R8850 | 0.13             |
| Black  | 65                 | OHB65J6    | 1SCA022380R9660 | 0.13             |
| Black  | 65                 | OHB65J6E20 | 1SCA022459R4220 | 0.13             |
| Red-yellow   | 65                 | OHY65J6    | 1SCA022380R9820 | 0.13             |
| Red-yellow   | 65                 | OHY65J6E20 | 1SCA022501R4700 | 0.13             |
| Grey   | 65                 | OHG65J6    | 1SCA022380R9740 | 0.13             |
| Black  | 80                 | OHB80J6    | 1SCA022381R0240 | 0.14             |
| Black  | 80                 | OHB80J6E20 | 1SCA022383R4690 | 0.14             |
| Red-yellow   | 80                 | OHY80J6    | 1SCA022381R0410 | 0.14             |
| Grey   | 80                 | OHG80J6    | 1SCA022381R0320 | 0.14             |
| <b>NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/ON-OFF</b>                  |                    |            |                 |                  |
| Black  | 45                 | OHB45L6    | 1SCA109848R1001 | 0.14             |
| Red-yellow   | 45                 | OHY45L6    | 1SCA109849R1001 | 0.14             |
| Metal  | 45                 | OHM45L6    | 1SCA111295R1001 | 0.7              |
| Black  | 65                 | OHB65L6    | 1SCA022580R9650 | 0.14             |
| Black  | 65                 | OHB65L6E20 | 1SCA115611R1001 | 0.14             |
| Red-yellow   | 65                 | OHY65L6    | 1SCA109850R1001 | 0.14             |
| Metal  | 65                 | OHM65L6    | 1SCA022739R1070 | 0.8              |
| Black  | 80                 | OHB80L6    | 1SCA022577R7010 | 0.16             |
| Red-yellow   | 80                 | OHY80L6    | 1SCA022577R7190 | 0.16             |
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF, grey: Test/I-O</b> |                    |            |                 |                  |
| Black  | 45                 | OHB45J6T   | 1SCA109870R1001 | 0.13             |
| Black  | 65                 | OHB65J6T   | 1SCA022399R8110 | 0.13             |
| Red-yellow   | 65                 | OHY65J6T   | 1SCA022456R9540 | 0.13             |
| Grey   | 65                 | OHG65J6T   | 1SCA022456R9620 | 0.13             |
| Black  | 80                 | OHB80J6T   | 1SCA022399R8290 | 0.14             |

Door interlocking in ON-position means that the door can not be opened, when the handle is in ON-position. The door interlocking can be defeated in IP65 types to allow authorized personnel access for inspection. The door is interlocked when the non-defeatable handle is padlocked. E20 Handles padlockable in ON and OFF positions.



OHY65J6



OHG80J6



OHM65L6



OHB65J6T

## Accessories for non-fusible disconnect switches OT16...2000

Ordering information for handles



OHB95J12

### Pistol handle for front operated fusible switches

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.



OHY125J12



OHG145J12



OHB274J12



OHY330J12



OHB150J12P



OHY200J12P



OHM125L12



OHM175L12



OHY95J12T



OHB125J12T



OHB175J12T

### For shaft diameter 12mm (for OT400...2000)

| Color  | Handle length (mm) | Type         | Order number    | Weight/unit (kg) |
|--|--------------------|--------------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/ON-OFF, grey: I-O</b> |                    |              |                 |                  |
| Black  | 95                 | OHB95J12     | 1SCA022381R0830 | 0.15             |
| Red-yellow   | 95                 | OHY95J12     | 1SCA022381R1050 | 0.15             |
| Grey   | 95                 | OHG95J12     | 1SCA022381R0910 | 0.15             |
| Black  | 125                | OHB125J12    | 1SCA022381R1560 | 0.16             |
| Red-yellow   | 125                | OHY125J12    | 1SCA022381R1720 | 0.16             |
| Grey   | 125                | OHG125J12    | 1SCA022381R1640 | 0.16             |
| Black  | 145                | OHB145J12    | 1SCA022381R2110 | 0.17             |
| Black  | 145                | OHB145J12E20 | 1SCA022399R8450 | 0.17             |
| Red-yellow   | 145                | OHY145J12    | 1SCA022381R2370 | 0.17             |
| Grey   | 145                | OHG145J12    | 1SCA022381R2290 | 0.17             |
| Black  | 175                | OHB175J12    | 1SCA022381R2450 | 0.20             |
| Black  | 175                | OHB175J12E20 | 1SCA105762R1001 | 0.20             |
| Red-yellow   | 175                | OHY175J12    | 1SCA022381R2700 | 0.20             |
| Grey   | 175                | OHG175J12    | 1SCA022381R2610 | 0.20             |
| Black  | 274                | OHB274J12    | 1SCA115920R1001 | 0.42             |
| Black  | 274                | OHB274J12E20 | 1SCA120919R1001 | 0.42             |
| Red-yellow   | 274                | OHY274J12    | 1SCA115919R1001 | 0.42             |
| Black  | 330                | OHB330J12    | 1SCA115922R1001 | 0.60             |
| Black  | 330                | OHB330J12E20 | 1SCA140458R1001 | 0.60             |
| Red-yellow   | 330                | OHY330J12    | 1SCA115921R1001 | 0.60             |
| Black  | 2X 150             | OHB150J12P   | 1SCA022865R9430 | 0.44             |
| Red-yellow   | 2X 150             | OHY150J12P   | 1SCA101586R1001 | 0.44             |
| Black  | 2X 200             | OHB200J12P   | 1SCA022865R9510 | 0.50             |
| Red-yellow   | 2X 200             | OHY200J12P   | 1SCA101587R1001 | 0.50             |
| <b>NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/ON-OFF</b>        |                    |              |                 |                  |
| Black  | 125                | OHB125L12    | 1SCA022577R7350 | 0.17             |
| Metal  | 125                | OHM125L12    | 1SCA022739R1150 | 0.80             |
| Black  | 145                | OHB145L12    | 1SCA022577R7510 | 0.18             |
| Red-yellow   | 145                | OHY145L12    | 1SCA022577R7600 | 0.18             |
| Black  | 175                | OHB175L12    | 1SCA022577R7780 | 0.20             |
| Red-yellow   | 175                | OHY175L12    | 1SCA022577R7860 | 0.20             |
| Metal  | 175                | OHM175L12    | 1SCA022739R1230 | 0.90             |
| Black  | 274                | OHB274L12    | 1SCA120238R1001 | 0.24             |
| Black  | 330                | OHB330L12    | 1SCA120256R1001 | 0.60             |
| Black  | 2X 200             | OHB200L12P   | 1SCA111564R1001 | 0.50             |
| Red-yellow   | 2X 200             | OHY200L12P   | 1SCA111569R1001 | 0.50             |
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF</b>       |                    |              |                 |                  |
| Black  | 95                 | OHB95J12T    | 1SCA022736R1750 | 0.15             |
| Red-yellow   | 95                 | OHY95J12T    | 1SCA022736R1910 | 0.15             |
| Black  | 125                | OHB125J12T   | 1SCA022652R2220 | 0.16             |
| Red-yellow   | 125                | OHY125J12T   | 1SCA022652R2310 | 0.16             |
| Black  | 145                | OHB145J12T   | 1SCA022652R2570 | 0.17             |
| Red-yellow   | 145                | OHY145J12T   | 1SCA022652R2650 | 0.17             |
| Black  | 175                | OHB175J12T   | 1SCA022708R0740 | 0.20             |
| Black  | 274                | OHB274J12T   | 1SCA120250R1001 | 0.42             |
| Black  | 330                | OHB330J12T   | 1SCA120252R1001 | 0.60             |
| Black  | 2X 200             | OHB200J12PT  | 1SCA106510R1001 | 0.50             |

Door interlocking in ON-position means that the door can not be opened, when the handle is in ON-position. The door interlocking can be defeated in IP65 types to allow authorized personnel access for inspection. The door is interlocked when the non-defeatable handle is padlocked. E20 Handles padlockable in ON and OFF positions.

## Accessories for non-fusible disconnect switches OT160...4000

Ordering information for handles



OTV400EK



OTV1000EK



OTVY400EK



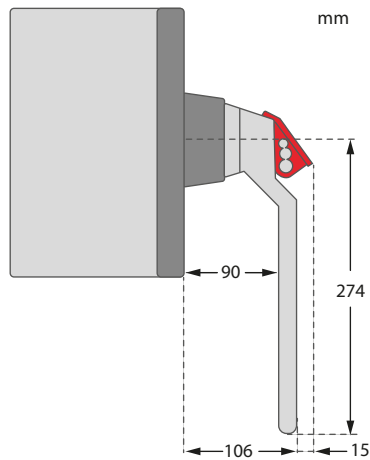
OTV1000EPK

### Direct mount handles

Includes a shaft and a mechanism cover. Indication Test-OFF-ON/Test-O-I. Padlockable with three padlocks in OFF-position.

| Suitable for switches | Color      | Handle length mm | Type       | Order number    | Weight/unit kg |
|-----------------------|------------|------------------|------------|-----------------|----------------|
| OT200U                | Black      | 65               | OTV250EK   | 1SCA022763R2700 | 0.10           |
|                       | Red-yellow | 65               | OTVY250EK  | 1SCA022772R7910 | 0.10           |
| OT400U                | Black      | 95               | OTV400EK   | 1SCA022763R2960 | 0.20           |
|                       | Red-yellow | 95               | OTVY400EK  | 1SCA022772R7830 | 0.20           |
| OT600U                | Black      | 145              | OTV800EK   | 1SCA022804R6340 | 0.30           |
|                       | Red-yellow | 145              | OTVY800EK  | 1SCA022810R2780 | 0.30           |
| OT800...2000U         | Black      | 274              | OTV1000EK  | 1SCA106608R1001 | 0.75           |
| OT800...2000U         | Black      | 2x200            | OTV1000EPK | 1SCA121085R1001 | 0.90           |

### OTV1000EK dimensions



## Accessories for non-fusible disconnect switches OT16...160

Ordering information for shafts



OXS6X\_

### Selector handle 6mm shafts (for OT16...160)

| Shaft length [mm] | Type     | Order number    | Weight/unit [kg] |
|-------------------|----------|-----------------|------------------|
| 53                | OXS6X53  | 1SCA101641R1001 | 0.01             |
| 57                | OXS6X57  | 1SCA101643R1001 | 0.02             |
| 73                | OXS6X73  | 1SCA101645R1001 | 0.02             |
| 85                | OXS6X85  | 1SCA101647R1001 | 0.02             |
| 95                | OXS6X95  | 1SCA101650R1001 | 0.03             |
| 100               | OXS6X100 | 1SCA101651R1001 | 0.03             |
| 105               | OXS6X105 | 1SCA108043R1001 | 0.03             |
| 109               | OXS6X109 | 1SCA101652R1001 | 0.03             |
| 115               | OXS6X115 | 1SCA101649R1001 | 0.03             |
| 117               | OXS6X117 | 1SCA101648R1001 | 0.03             |
| 120               | OXS6X120 | 1SCA101654R1001 | 0.04             |
| 130               | OXS6X130 | 1SCA101655R1001 | 0.04             |
| 150               | OXS6X150 | 1SCA108250R1001 | 0.04             |
| 160               | OXS6X160 | 1SCA101656R1001 | 0.05             |
| 180               | OXS6X180 | 1SCA101659R1001 | 0.05             |
| 237               | OXS6X237 | 1SCA101658R1001 | 0.06             |
| 250               | OXS6X250 | 1SCA101660R1001 | 0.06             |
| 330               | OXS6X330 | 1SCA101661R1001 | 0.10             |
| 455               | OXS6X455 | 1SCA101662R1001 | 0.12             |



OX6X\_

### Round padlockable handle 6mm shafts (for OT16...160)

| Shaft length [mm] | Type    | Order number    | Weight/unit [kg] |
|-------------------|---------|-----------------|------------------|
| 60                | OX6X60  | 1SCA111459R1001 | 0.02             |
| 85                | OX6X85  | 1SCA111274R1001 | 0.02             |
| 105               | OX6X105 | 1SCA111930R1001 | 0.03             |
| 115               | OX6X115 | 1SCA111931R1001 | 0.03             |
| 130               | OX6X130 | 1SCA111460R1001 | 0.03             |
| 155               | OX6X155 | 1SCA111275R1001 | 0.04             |
| 200               | OX6X200 | 1SCA111932R1001 | 0.06             |
| 300               | OX6X300 | 1SCA111933R1001 | 0.08             |

## Accessories for non-fusible disconnect switches OT16...2000

### Ordering information for shafts



OXP6X\_

#### Pistol handle 6mm shafts (for OT16...200)

| Shaft length [mm] | Type     | Order number    | Weight/unit [kg] |
|-------------------|----------|-----------------|------------------|
| 57                | EXP6X57  | 1SCA125050R1001 | 0.01             |
| 63                | EXP6X63  | 1SCA111010R1001 | 0.02             |
| 87                | EXP6X87  | 1SCA109421R1001 | 0.02             |
| 90                | EXP6X90  | 1SCA022064R1180 | 0.03             |
| 108               | EXP6X108 | 1SCA125762R1001 | 0.03             |
| 130               | EXP6X130 | 1SCA022057R0570 | 0.04             |
| 150               | EXP6X150 | 1SCA022295R5600 | 0.05             |
| 158               | EXP6X158 | 1SCA122303R1001 | 0.05             |
| 161               | EXP6X161 | 1SCA022067R1760 | 0.05             |
| 170               | EXP6X170 | 1SCA108224R1001 | 0.05             |
| 210               | EXP6X210 | 1SCA022295R6080 | 0.06             |
| 265               | EXP6X265 | 1SCA108225R1001 | 0.08             |
| 290               | EXP6X290 | 1SCA022042R6370 | 0.08             |
| 310               | EXP6X310 | 1SCA022720R5710 | 0.09             |
| 360               | EXP6X360 | 1SCA022042R6530 | 0.10             |
| 400               | EXP6X400 | 1SCA108226R1001 | 0.12             |
| 430               | EXP6X430 | 1SCA022056R6030 | 0.12             |
| 500               | EXP6X500 | 1SCA109416R1001 | 0.14             |
| 700               | EXP6X700 | 1SCA022131R9580 | 0.19             |



OXP12X\_

#### Pistol handle 12mm shafts (for OT400...2000)

| Shaft length [mm] | Type      | Order number    | Weight/unit [kg] |
|-------------------|-----------|-----------------|------------------|
| 166               | EXP12X166 | 1SCA022325R7100 | 0.18             |
| 185               | EXP12X185 | 1SCA022325R6710 | 0.20             |
| 220               | EXP12X220 | 1SCA022063R9610 | 0.24             |
| 250               | EXP12X250 | 1SCA022325R6980 | 0.30             |
| 280               | EXP12X280 | 1SCA022137R5140 | 0.30             |
| 325               | EXP12X325 | 1SCA022042R5810 | 0.36             |
| 395               | EXP12X395 | 1SCA022042R5990 | 0.43             |
| 465               | EXP12X465 | 1SCA022042R6020 | 0.51             |
| 535               | EXP12X535 | 1SCA022042R6110 | 0.59             |
| 625               | EXP12X625 | 1SCA022139R0020 | 0.70             |

## Accessories for non-fusible disconnect switches OT16...2000

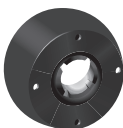
Ordering information for shaft accessories



OZG71



OHZX10



OHZX14



OETLZX58



OXT20X210X



OHZX19

### Shaft alignment ring

Improves the alignment between handle and shaft.

| Suitable for handle               | Color | Type   | Order number    | Weight/<br>unit<br>kg |
|-----------------------------------|-------|--------|-----------------|-----------------------|
| Selector handles OH_1...3         | Black | OHZX11 | 1SCA022708R3170 | 0.23                  |
| Round padlockable handle OZ371P_  | Black | OZG71  | 1SCA111686R1001 | 0.05                  |
| Pistol handles OH_65...275J6...12 | Black | OHZX10 | 1SCA022661R3610 | 0.23                  |

### Extension ring for pistol handles

Improves the handle operation by increasing the distance between the operating handle and the panel.

| Suitable for handle | Color | Type   | Order number    | Weight/<br>unit<br>kg |
|---------------------|-------|--------|-----------------|-----------------------|
| OHB_                | Black | OHZX14 | 1SCA022851R6590 | 0.06                  |

### Shaft support for long shafts

| Suitable for switches | Shaft compatibility     | Type       | Order number    | Weight/<br>unit<br>kg |
|-----------------------|-------------------------|------------|-----------------|-----------------------|
| OT16...125F           | 6mm, longer than 400mm  | OETLZX58   | 1SCA022068R8220 | 0.10                  |
| OT1200...2000         | 12mm, longer than 280mm | OXT20X210X | 1SCA103684R1001 | 1.50                  |

### Overturn protection

The accessory package contains locking features that restrict operation more than 90 degree.

| Suitable for shafts | Type   | Order number    | Weight/<br>unit<br>kg |
|---------------------|--------|-----------------|-----------------------|
| EXP12X_             | OHZX19 | 1SCA157090R1001 | 0.25                  |

## Accessories for non-fusible disconnect switches OT16...160

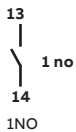
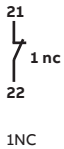
### Ordering information for auxiliary contacts



OA1G\_



OA2G11



#### Auxiliary contact blocks for OT16...160, IP20

Contact numbering according to EN 50013. Snap-on mounting to the side of the switch.  $I_{th} = 16$  A, cable cross section max.  $2 \times 2.5\text{mm}^2$ . Early-break type OA1G10. Early break type auxiliary contacts means that in the switches, the NO aux. contacts break before the main contacts open.

| Suitable for switches  | Function | Type                  | Order number    | Weight/<br>unit<br>kg |
|--|----------|-----------------------|-----------------|-----------------------|
| <b>Mountable on left side, max. 2 pcs</b>                                      |          |                       |                 |                       |
| OT16...100F/FT   | 1NC      | OA1G01                | 1SCA022353R4890 | 0.03                  |
|  | 1NC      | OA1G01AU <sup>1</sup> | 1SCA022436R7830 | 0.03                  |
| <b>Mountable on the right side, max. 2 pcs</b>                                 |          |                       |                 |                       |
| OT16...100F/FT   | 1NO      | OA1G10                | 1SCA022353R4970 | 0.03                  |
|  | 1NO      | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03                  |
| <b>Mountable, max. 4 pcs</b>   |          |                       |                 |                       |
| OT160G/GT  | 1NC      | OA1G01                | 1SCA022353R4890 | 0.03                  |
|  | 1NC      | OA1G01AU <sup>1</sup> | 1SCA022436R7830 | 0.03                  |
| <b>Mountable, max. 4 pcs</b>   |          |                       |                 |                       |
| OT160G/GT  | 1NO      | OA1G10                | 1SCA022353R4970 | 0.03                  |
|  | 1NO      | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03                  |
| <b>Mountable on both sides, simultaneous function with the main contacts</b>   |          |                       |                 |                       |
| OT16...25F, OT40F: max. 2NO+2NC, OT30F, OT60...100F: max. 4NO+4NC <sup>3</sup> |          |                       |                 |                       |
| OT16...100   | 1NO+1NC  | OA2G11 <sup>2</sup>   | 1SCA022379R8100 | 0.03                  |

<sup>1</sup>Types \_AU are gold plated for extremely difficult circumstances and low voltages.

<sup>2</sup>Not mountable on the same side as the fourth pole.

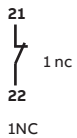
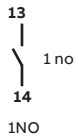
<sup>3</sup>Contact numbering: (83) (43) (53) 13      21 (61) (31) (71)  
(84) (44) (54) 14      22 (62) (32) (72)

## Accessories for non-fusible disconnect switches OT200...2000

### Ordering information for auxiliary contacts



OA1G10, OA3G01



OEA28

Video: Auxiliary contacts installation



<https://www.youtube.com/watch?v=wZY428-W5sc&feature=youtu.be>

Video: Installation of OEA28 – Module for auxiliary contacts



<https://www.youtube.com/watch?v=-4wb659WZE&feature=youtu.be>

#### Auxiliary contact blocks for OT200...2000, IP20

Contact numbering according to EN 50013. Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

In types with auxiliary contacts mountable under the mechanism cover, the "test" contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position (45° over the OFF-position). The "test indication" contacts operate only when the handle is turned to TEST-position. The OA1G10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, "test" or "test indication" contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place (see mounting instructions). In order to activate the "test" and "test indication" features a handle with test function is required. The test contacts can be used as standard auxiliary contacts as well.

| Suitable for switches  | Function         | Type                  | Order number    | Weight/unit kg |
|--|------------------|-----------------------|-----------------|----------------|
| <b>Mounting on the left side of the switch</b>                                     |                  |                       |                 |                |
| Max. 8 auxiliary contact blocks with the OEA28 module                              |                  |                       |                 |                |
| OT200...2000U  | 1NO              | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1NO              | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1NC              | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1NC              | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |
| <b>Mounting under the mechanism cover</b>  |                  |                       |                 |                |
| Max. 4 test contacts or 2 test contacts + 2 test indication contacts               |                  |                       |                 |                |
| OT200U   | 1NO, early break | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1NO, early break | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1NC, early make  | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1NC, early make  | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |
| Max. 4 test contacts + 4 test indication contacts                                  |                  |                       |                 |                |
| OT400...600U   | 1NO, early break | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1NO, early break | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1NC, early make  | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1NC, early make  | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |
| Max 4 test indication contacts + 6 test contacts + 2 early operation test contacts |                  |                       |                 |                |
| OT800...2000U  | 1NO, early break | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1NO, early break | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1NC, early make  | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1NC, early make  | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |

<sup>1</sup>Types \_AU are gold plated for extremely difficult circumstances and low voltages.

#### Module for auxiliary contacts with OT200...2000

Screw mounting to the left side of the switch.

| Suitable for switches | Type  | Order number    | Weight/unit kg |
|-----------------------|-------|-----------------|----------------|
| OT200...2000          | OEA28 | 1SCA022714R8810 | 0.04           |

Does not fit side operated switches.

## Accessories for non-fusible disconnect switches OT16...100

Ordering information for fourth poles



OTPS60FP



OTPS40FDN1



OTPL80FP



OTPL125FD

### Fourth poles, simultaneous function with the main contacts OT16...100

Mountable on the side of the 3-pole switch frame.

| Suitable for switches                         | Type                    | Order number    | Weight/<br>unit<br>kg |
|---|-------------------------|-----------------|-----------------------|
| <b>For DIN rail and base mounted switches</b> |                         |                 |                       |
| OT16...25F3/F6, OT40F3/F6                     | OTPS40FPN1 <sup>1</sup> | 1SCA105001R1001 | 0.03                  |
|   | OTPS40FPN2 <sup>1</sup> | 1SCA105000R1001 | 0.06                  |
| OT63...80F3/F6                                | OTPS80FP                | 1SCA105461R1001 | 0.14                  |
| OT30F3/F6, OT60F3/F6                          | OTPS60FP                | 1SCA111009R1001 | 0.30                  |
| OT100F3/F6                                    | OTPS125FP               | 1SCA105099R1001 | 0.30                  |
| <b>For door mounted switches</b>              |                         |                 |                       |
| OT16...25FT3, OT40FT3                         | OTPS40FDN1 <sup>1</sup> | 1SCA104999R1001 | 0.06                  |
|   | OTPS40FDN2 <sup>1</sup> | 1SCA104998R1001 | 0.14                  |
| OT63...80FT3                                  | OTPS80FD                | 1SCA105458R1001 | 0.30                  |
| OT30FT3, OT60FT3                              | OTPS60FD                | 1SCA111008R1001 | 0.30                  |
| OT100FT3                                      | OTPS125FD               | 1SCA105096R1001 | 0.30                  |

### Fourth poles, late-break and early-make

Mountable on the side of the switch. There is a time difference between the main poles and the fourth pole.

| Suitable for switches              | Type      | Order number    | Weight/<br>unit<br>kg |
|------------------------------------|-----------|-----------------|-----------------------|
| <b>For OT switch-disconnectors</b> |           |                 |                       |
| OT16...25F3/F6, OT40F3/F6          | OTPL40FP  | 1SCA105717R1001 | 0.03                  |
| OT63...80F3/F6                     | OTPL80FP  | 1SCA105452R1001 | 0.06                  |
| OT30F3/F6, OT60F3/F6               | OTPL60FP  | 1SCA111004R1001 | 0.06                  |
| OT100F3/F6                         | OTPL125FP | 1SCA105090R1001 | 0.14                  |
| <b>For door mounted switches</b>   |           |                 |                       |
| OT16...25FT3, OT40FT3              | OTPL40FD  | 1SCA105716R1001 | 0.03                  |
| OT63...80FT3                       | OTPL80FD  | 1SCA105451R1001 | 0.06                  |
| OT30FT3, OT60FT3                   | OTPL60FD  | 1SCA111004R1001 | 0.06                  |
| OT100FT3                           | OTPL125FD | 1SCA105088R1001 | 0.14                  |

<sup>1</sup>N1=On the left side of the switch  
N2=On the right side of the switch

## Accessories for non-fusible disconnect switches OT16...2000

Ordering information for neutrals



OTPD40FP



OTPD80FP



OTPD80FD



OXN250



OXN400



OXN1250T

### Fixed neutral

Mountable on the side of the switch

| Suitable for switches            | Type      | Order number    | Weight/<br>unit<br>kg |
|----------------------------------|-----------|-----------------|-----------------------|
| <b>For base mounted switches</b> |           |                 |                       |
| OT16...25F3/F6, OT40F3/F6        | OTPN40FP  | 1SCA104997R1001 | 0.03                  |
| OT63...80F3/F6                   | OTPN80FP  | 1SCA105457R1001 | 0.06                  |
| OT30F3/F6, OT60F3/F6             | OTPN60FP  | 1SCA117606R1001 | 0.14                  |
| OT100F3/F6                       | OTPN125FP | 1SCA105094R1001 | 0.14                  |
| <b>For door mounted switches</b> |           |                 |                       |
| OT16...25FT3, OT40FT3            | OTPN40FD  | 1SCA105718R1001 | 0.03                  |
| OT63...80FT3                     | OTPN80FD  | 1SCA105456R1001 | 0.06                  |
| OT30FT3, OT60FT3                 | OTPN60FD  | 1SCA111005R1001 | 0.14                  |
| OT100FT3                         | OTPN125FD | 1SCA105092R1001 | 0.14                  |

### Neutral pole

| Suitable for switches UL, including phase barrier | Type     | Order number    | Weight/<br>unit<br>kg |
|---|----------|-----------------|-----------------------|
| OT200U  | OTZ200U  | 1SCA151734R1001 | 0.35                  |
| OT400U  | OTZ400U  | 1SCA151735R1001 | 0.59                  |
| OT600U  | OTZ600U  | 1SCA151736R1001 | 1.70                  |
| OT800...1200U                                     | OTZ1200U | 1SCA151733R1001 | 4.54                  |

### Detachable neutral

Mountable on the side of the switch

| Suitable for switches                         | Type      | Order number    | Weight/<br>unit<br>kg |
|---|-----------|-----------------|-----------------------|
| <b>For DIN rail and base mounted switches</b> |           |                 |                       |
| OT16...40F3/F6                                | OTPD40FP  | 1SCA104994R1001 | 0.03                  |
| OT63...80F3/F6                                | OTPD80FP  | 1SCA105445R1001 | 0.06                  |
| OT30...60F3/F6                                | OTPD60FP  | 1SCA111014R1001 | 0.14                  |
| OT100...125F3/F6                              | OTPD125FP | 1SCA105083R1001 | 0.14                  |
| <b>For door mounted switches</b>              |           |                 |                       |
| OT63...80FT3                                  | OTPD80FD  | 1SCA105444R1001 | 0.06                  |

### Neutral links

Detachable, mountable separately to the base plate.

| Suitable for switches | I <sub>th</sub> | Type     | Order number    | Weight/<br>unit<br>kg |
|-----------------------|-----------------|----------|-----------------|-----------------------|
|                       | A               |          |                 |                       |
| OT200U                | 250             | OXN250   | 1SCA022752R9950 | 0.26                  |
| OT400U                | 400             | OXN400   | 1SCA022770R3060 | 0.70                  |
| OT600U                | 800             | OXN800T  | 1SCA022829R0840 | 0.96                  |
| OT800...1200U         | 1250            | OXN1250T | 1SCA104162R1001 | 2.20                  |

## Accessories for non-fusible disconnect switches OT16...2000

Ordering information for earth terminals and phase separators



OTPE40FP



OTPE125FP



OTPE125FD



OTB\_

### Protective earth

Mountable on the side of the switch

| Suitable for switches              | Type      | Order number    | Weight/<br>unit<br>kg |
|------------------------------------|-----------|-----------------|-----------------------|
| <b>For OT switch-disconnectors</b> |           |                 |                       |
| OT16...40F3/F4/F6                  | OTPE40FP  | 1SCA104995R1001 | 0.03                  |
| OT63...80F3/F4/F6                  | OTPE80FP  | 1SCA105448R1001 | 0.06                  |
| OT30...60F3/F4/F6                  | OTPE60FP  | 1SCA111016R1001 | 0.14                  |
| OT100...125F3/F4/F6                | OTPE125FP | 1SCA105128R1001 | 0.14                  |
| <b>For door mounted switches</b>   |           |                 |                       |
| OT16...40FT_                       | OTPE40FD  | 1SCA109884R1001 | 0.03                  |
| OT63...80FT_                       | OTPE80FD  | 1SCA105446R1001 | 0.06                  |
| OT30...60FT_                       | OTPE60FD  | 1SCA111015R1001 | 0.14                  |
| OT100...125FT_                     | OTPE125FD | 1SCA105698R1001 | 0.14                  |

### Phase separators

Grey plastic plate for maintaining 1 in/25.44mm clearance between the phases without terminal shrouds. Snap-on mounting.

| Suitable for switches         | Type       | Order number    | Units/<br>type<br>pcs | Weight/<br>type<br>kg |
|-------------------------------|------------|-----------------|-----------------------|-----------------------|
| OT600U, 3- and 4-pole         | OTB800/6   | 1SCA022821R7760 | 6                     | 0.35                  |
| OT800...1200U, 3- and 4-pole  | OTB1600/6  | 1SCA100768R1001 | 6                     | 0.50                  |
| OT1600...2000U, 3- and 4-pole | OTB1600/6C | 1SCA104661R1001 | 12                    | 0.74                  |

## Accessories for non-fusible disconnect switches OT16...160

Ordering information for terminal shrouds



OTS40T3



OTS63T3



OTS125T3



OTS125T3P



OTS63T1



OTS125T1



OTS40T1



OTS125T1P



OTS160G1L3



OTS160G1L4

### Terminal shrouds for OT switches, snap-on mounting, transparent IP2X

| Suitable for switches  | Type       | Order number    | Weight/<br>unit<br>kg |
|--|------------|-----------------|-----------------------|
| <b>For 3-pole OT switches</b>  |            |                 |                       |
| OT16/25/40F3, FT3  | OTS40T3    | 1SCA105317R1001 | 0.01                  |
| OT63...80F3, FT3   | OTS63T3    | 1SCA022353R6750 | 0.01                  |
| OT30/60/100F3, FT3   | OTS125T3   | 1SCA022379R9680 | 0.01                  |
| <b>For 3-pole OT160G_ switches. Suitable also when provided with terminal clamps OZXT2 or OZXT3</b>                |            |                 |                       |
| OT160G, GT   | OTS160G1L3 | 1SCA140414R1001 | 0.02                  |
| <b>For 3-pole OT switches, suitable also when provided with terminal clamps OZXL1 or OZXT1</b>                     |            |                 |                       |
| OT30/60/100F3  | OTS125T3P  | 1SCA022491R9890 | 0.01                  |
| <b>For 1 to 4-pole OT switches, shroud for single pole and for fourth pole</b>                                     |            |                 |                       |
| OTP_40F_   | OTS40T1    | 1SCA105314R1001 | 0.01                  |
| OTP_80F_   | OTS63T1    | 1SCA022353R6910 | 0.01                  |
| OTP_125F_  | OTS125T1   | 1SCA022379R9760 | 0.01                  |
| <b>For 1 to 4-pole OT switches with terminal clamps OZXL1 or OZXT1, shroud for single pole and for fourth pole</b> |            |                 |                       |
| OT30/60/100F   | OTS125T1P  | 1SCA022491R9970 | 0.01                  |
| <b>For 4-pole OT160G_ switches. Suitable also when provided with terminal clamps OZXT2 or OZXT3</b>                |            |                 |                       |
| OT160G, GT   | OTS160G1L4 | 1SCA140415R1001 | 0.03                  |

## Accessories for non-fusible disconnect switches 200-2000

### Ordering information for terminal shrouds



OTS400G1S



OTS800G1S



OTS1600G1L



OTS1600G1S

#### Terminal shrouds for OT switches, snap-on mounting, grey

Pack of single pole shrouds, IP3X. Transparent shrouds available on request.

| Suitable for switches         | Dimension Height | Type                      | Order number    | Units/type | Weight/type |
|-------------------------------|------------------|---------------------------|-----------------|------------|-------------|
|                               | mm               |                           |                 | pcs        | kg          |
| <b>For 3-pole OT switches</b> |                  |                           |                 |            |             |
| OT200U                        | 83               | OTS250G1L/3 <sup>1</sup>  | 1SCA022731R8150 | 3          | 0.09        |
|                               | 35.5             | OTS250G1S/3 <sup>1</sup>  | 1SCA022731R8310 | 3          | 0.06        |
| OT400U                        | 51.5             | OTS400G1S/3 <sup>1</sup>  | 1SCA022736R9060 | 3          | 0.15        |
|                               | 126              | OTS400G1L/3 <sup>1</sup>  | 1SCA022736R8840 | 3          | 0.09        |
| OT600U                        | 138.6            | OTS800G1L/3 <sup>1</sup>  | 1SCA022776R7890 | 3          | 0.32        |
|                               | 61.5             | OTS800G1S/3 <sup>1</sup>  | 1SCA022776R8190 | 3          | 0.17        |
| OT800...1200U                 | 158.5            | OTS1600G1L/3 <sup>1</sup> | 1SCA022871R9510 | 3          | 0.60        |
|                               | 96.9             | OTS1600G1S/3 <sup>1</sup> | 1SCA022871R9600 | 3          | 0.40        |
| <b>For 4-pole OT switches</b> |                  |                           |                 |            |             |
| OT200U                        | 83               | OTS250G1L/4 <sup>1</sup>  | 1SCA022731R8230 | 4          | 0.12        |
|                               | 35.5             | OTS250G1S/4 <sup>1</sup>  | 1SCA022731R8400 | 4          | 0.08        |
| OT400U                        | 51.5             | OTS400G1S/4 <sup>1</sup>  | 1SCA022736R9650 | 4          | 0.20        |
|                               | 126              | OTS400G1L/4 <sup>1</sup>  | 1SCA022736R9490 | 4          | 0.12        |
| OT600U                        | 138.6            | OTS800G1L/4 <sup>1</sup>  | 1SCA022776R7970 | 4          | 0.42        |
|                               | 61.5             | OTS800G1S/4 <sup>1</sup>  | 1SCA022776R8270 | 4          | 0.26        |
| OT800...1200U                 | 158.5            | OTS1600G1L/4 <sup>1</sup> | 1SCA022871R9780 | 4          | 0.80        |
|                               | 96.9             | OTS1600G1S/4 <sup>1</sup> | 1SCA022871R9860 | 4          | 0.50        |

<sup>1</sup>L= long type, S= short type

#### Shrouds for terminal clamps

Snap-on mounting, transparent plastic, IP2X.

| Suitable for terminal clamps | Type   | Order number    | Units/type | Weight/unit |
|------------------------------|--------|-----------------|------------|-------------|
|                              |        |                 | pcs        | kg          |
| OZXB2, 2L                    | OZXB2K | 1SCA022264R0010 | 3          | 0.05        |
| OZXB3, 4                     | OZXB3K | 1SCA022264R0440 | 3          | 0.20        |
| OZXB5, 6                     | OZXB4K | 1SCA022199R2850 | 3          | 0.24        |
| OZXB7, 7L                    | OZXB5K | 1SCA022283R8040 | 3          | 0.13        |

## Accessories for non-fusible disconnect switches OT16...1200

Ordering information for terminal clamps



OZXT1



OZXT2

### Terminal clamp sets for Al- and Cu-cables, insulated versions

| Suitable for switches | Cable cross section     | Type               | Order number    | Weight/ |
|-----------------------|-------------------------|--------------------|-----------------|---------|
|                       | mm <sup>2</sup>         |                    |                 | unit    |
| OT63...80             | 16...50 Al, 2.5...50 Cu | OZXT1 <sup>1</sup> | 1SCA022469R6310 | 0.05    |
| OT100...160           | 16...120 Al/Cu          | OZXT2              | 1SCA022620R7200 | 0.21    |
| OT100...160           | 2x(16...50) Al/Cu       | OZXT3              | 1SCA022639R0720 | 0.21    |

<sup>1</sup>I<sub>n</sub> = 63A

More information on Al/Cu terminal clamps, see the catalogue OZX1A GB.



OZXB1L



OZXB2

### Terminal clamp sets for Al- and Cu-cables

| Suitable for switches | Cable cross section | Suitable shroud type | Terminal clamp type | Order number | Units/ | Weight/ |
|-----------------------|---------------------|----------------------|---------------------|--------------|--------|---------|
|                       | mm <sup>2</sup>     |                      |                     |              | type   | unit    |

#### OZXB type Al/Cu connectors made of stainless steel

| Suitable for switches | Cable cross section | Suitable shroud type | Terminal clamp type | Order number    | Units/ | Weight/ |
|-----------------------|---------------------|----------------------|---------------------|-----------------|--------|---------|
|                       | mm <sup>2</sup>     |                      |                     |                 | type   | unit    |
| OT200U                | 10...70             | OTS250_L             | OZXB1L              | 1SCA022169R2030 | 3      | 0.15    |
|                       | 25...120            | OZXB2K               | OZXB2               | 1SCA022119R7610 | 3      | 0.34    |
|                       | 25...120            | OZXB2K               | OZXB2L              | 1SCA022158R7750 | 3      | 0.43    |
|                       | 95...185            | OTS250_L             | OZXB8               | 1SCA022744R1510 | 3      | 0.50    |
|                       | 95...240            | OTS250_L             | OZXB9               | 1SCA022750R3210 | 3      | 0.50    |
| OT400U                | 25...120            | OZXB2K               | OZXB2L              | 1SCA022158R7750 | 3      | 0.43    |
|                       | 95...185            | OZXB3K               | OZXB3               | 1SCA022136R8100 | 3      | 1.28    |
|                       | 2x(95...185)        | OZXB3K               | OZXB4               | 1SCA022137R4760 | 3      | 1.71    |
|                       | 120...240           | OZXB5K               | OZXB7               | 1SCA022185R0040 | 3      | 1.00    |
|                       | 120...240           | OZXB5K               | OZXB7L              | 1SCA022185R7130 | 3      | 1.20    |
| OT600U                | 95...185            | OTS400_L             | OZXB8               | 1SCA022744R1510 | 3      | 0.50    |
|                       | 95...240            | OTS400_L             | OZXB9               | 1SCA022750R3210 | 3      | 0.50    |
|                       | 120...300           | OZXB4K               | OZXB5               | 1SCA022137R2470 | 3      | 2.22    |
| OT800...1200U         | 2x(120...300)       | OZXB4K               | OZXB6               | 1SCA022137R4920 | 3      | 3.03    |
|                       | 95...185            | OTS1600_L            | OZXB3               | 1SCA022136R8100 | 3      | 1.28    |
|                       | 2x(95...185)        | OTS1600_L            | OZXB4               | 1SCA022137R4760 | 3      | 1.71    |
|                       | 120...300           | OTS1600_L            | OZXB5               | 1SCA022137R2470 | 3      | 2.22    |
|                       | 2x(120...300)       | OTS1600_L            | OZXB6               | 1SCA022137R4920 | 3      | 3.03    |
|                       | 120...240           | OTS1600_L            | OZXB7L              | 1SCA022185R7130 | 3      | 1.20    |



OZXB2L



OZXB3



OZXB4



OZXB7



OZXB8



OZXB9



OZXB5



OZXB6

## Accessories for non-fusible disconnect switches OT200...2000

Ordering information for terminal lugs



### Terminal lug kits for Al- and Cu-cables for UL/CSA disconnect switches

One kit includes 6 pcs.

| Suitable for switches      | Cable cross section | Type      | Tightening torque | Weight/unit |      |
|----------------------------|---------------------|-----------|-------------------|-------------|------|
|                            |                     |           | lb.in/Nm          | kg          | in   |
| OT200U_                    | AWG 4 - 300 MCM     | OZXA-200  | 275/31.1          | 0.04        | 0.09 |
| OT400U_                    | AWG 2 - 600 MCM     | OZXA-400  | 375/42.4          | 0.05        | 0.12 |
| OT600...800U_              | 2X AWG 2 - 600 MCM  | OZXA-800  | 500/56.5          | 0.21        | 0.45 |
| OT800U,<br>OT1200...2000U_ | 4X AWG 2 - 600 MCM  | OZXA-1200 | 500/56.5          | 0.45        | 0.98 |

For ordering, please consult us.

### Technical data for terminal lugs

| Description                          |                     |
|--------------------------------------|---------------------|
| UL approval file                     | E6207               |
| Temperature Rating, °C               | 75                  |
| Wire tightening Type of tool         | Allen (Hex) wrench  |
| Lug mounting                         | Bolt & nut mounting |
| AWG (American Wire Gauge) wire class | B.C                 |

## Accessories for non-fusible disconnect switches OT16...600

Ordering information for conversion kits



OWP6D40



OWP6D80



OWP6D125



OTZW8



OESAZW2



OWC6D40



OWC6D125



OESAZW1

### 6- and 8-pole switch mechanism

| Suitable for switches | Shaft distance | Type | Order number | Weight/<br>unit |
|-----------------------|----------------|------|--------------|-----------------|
|                       | mm             |      |              | kg              |

#### Parallel attachment for connecting two 3- or 4-pole switches

The switches work simultaneously. Mounting directly on the top of two switch-disconnectors, snap-on mounting. The switch size is printed on stickers for the different switch sizes. The fourth pole or auxiliary contacts can be mounted on the outer side of the combination.

|                   |   |          |                 |      |
|-------------------|---|----------|-----------------|------|
| OT16...25, OT40   | - | OWP6D40  | 1SCA022865R4800 | 0.03 |
| OT63...80         | - | OWP6D80  | 1SCA022865R5010 | 0.03 |
| OT30, OT60, OT100 | - | OWP6D125 | 1SCA022865R5100 | 0.03 |
| OT160G            | - | OESAZW2  | 1SCA022078R1600 | 0.80 |

#### Attachment levers for connecting two 3- or 4-pole switches

Attachment levers provided with holes, enabling different shaft distances.

The combination of 3- or 4-pole switches can be mounted either horizontally or vertically.

|                   |                |         |                 |      |
|-------------------|----------------|---------|-----------------|------|
| OT16...25, OT40   | 45+(0...12)x15 | OTZW8   | 1SCA022421R7600 | 0.17 |
| OT63...80         | 60+(0...11)x15 | OTZW8   | 1SCA022421R7600 | 0.17 |
| OT30, OT60, OT100 | 75+(0...10)x15 | OTZW8   | 1SCA022421R7600 | 0.17 |
| OT200U            | 45+(0...13)x15 | OESAZW2 | 1SCA022078R1600 | 0.80 |
| OT400...600U      | 60+(0...19)x20 | OETLZW9 | 1SCA022061R3300 | 1.10 |

See the table of the handles and shafts included in the conversion kits on page 9-75.

### Change-over switch mechanism

Two switches (3- or 4-pole) are connected with a mechanism operating between I-O-II -positions. The modular change-over switches can be built by adding a compact snap-on kit on the top of two switch-disconnectors. The kits do not require any additional foot print area, only the height is increased 12mm.

| Suitable for switches | Shaft distance | Type | Order number | Weight/<br>unit |
|-----------------------|----------------|------|--------------|-----------------|
|                       | mm             |      |              | kg              |

#### Change-over kits

|                   |   |          |                 |      |
|-------------------|---|----------|-----------------|------|
| OT16...25, OT40   | - | OWC6D40  | 1SCA022865R4550 | 0.03 |
| OT63...80         | - | OWC6D80  | 1SCA022865R4630 | 0.07 |
| OT30, OT60, OT100 | - | OWC6D125 | 1SCA104494R1001 | 0.09 |

#### Attachment levers

|               |                 |          |                 |      |
|---------------|-----------------|----------|-----------------|------|
| OT16...160    | 90+(0...10)x15  | OESAZW1  | 1SCA022064R3710 | 0.78 |
| OT160, OT200U | 210+(0...18)x20 | OTZW25   | 1SCA022778R6920 | 2.80 |
| OT400U        | 210+(0...11)x20 | OETLZW11 | 1SCA022078R0030 | 3.00 |
| OT600U        | 210+(0...20)x20 | OETLZW12 | 1SCA022078R0200 | 4.60 |

See the table of the handles and shafts included in the conversion kits on page 9-75.

## Accessories for non-fusible disconnect switches OT16...2000

Ordering information for conversion kits



OTZW17

### By-pass switch mechanism

A combination of two switches in parallel with a third switch for change-over operation to by-pass, for example, a breaker for maintenance. Three 3- or 4-pole switches needed. The mechanism is lockable in O-position.

| Suitable for switches | Shaft distance   | Type     | Order number    | Weight/ |
|-----------------------|--|----------|-----------------|---------|
|                       | mm   |          |                 | unit    |
|                       |  |          |                 | kg      |
| OT16...125            | Between 1 and 2: 90+(0...6)x15<br>Between 1 and 3: 90+(0...10)x15    | OTZW17   | 1SCA022387R1620 | 0.88    |
| OT160, OT200U         | Between 1 and 2: 210+(0...9)x20<br>Between 1 and 3: 250+(0...9)x20   | OTZW26   | 1SCA022778R7060 | 3.30    |
| OT400...600U          | Between 1 and 2: 210+(0...18)x20<br>Between 1 and 3: 250+(0...18)x20 | OETLZW13 | 1SCA022078R0460 | 4.00    |

See the table of the handles and shafts included in the conversion kits on page 9-75.



OTZW26

### Mechanical interlock mechanism

Prevents one switch from moving to ON-position, if the other is not in OFF-position. When mounted upside down, prevents one switch from moving to OFF-position, if the other is not in ON-position. (UPS-usage, make-before-break).

| Suitable for switches | Shaft distance | Type     | Order number    | Weight/ |
|-----------------------|----------------|----------|-----------------|---------|
|                       | mm             |          |                 | unit    |
|                       |                |          |                 | kg      |
| OT16...100            | 100            | OTZW24   | 1SCA022639R5610 | 0.08    |
| OT160G                | -              | OTZW10   | 1SCA022431R5280 | 1.00    |
| OT200U                | 190            | OTZW10   | 1SCA022431R5280 | 0.40    |
| OT400U                | 250            | OETLZW14 | 1SCA022077R3410 | 0.70    |
| OT400...600U          | 300            | OETLZW3  | 1SCA022049R0380 | 0.80    |
| OT400...2000U         | 500            | OETLZW15 | 1SCA022081R9340 | 1.24    |

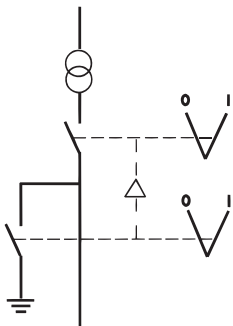
See the table of the handles and shafts included in the conversion kits on page 9-75.



OTZW24



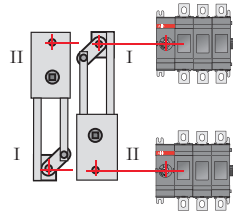
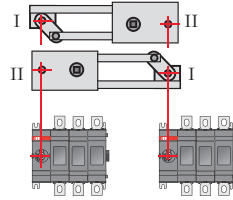
OETLZW14



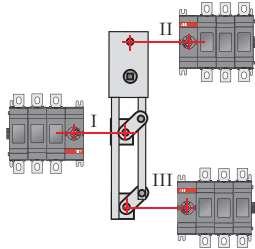
Mechanical interlock

## Accessories for non-fusible disconnect switches OT16...2000

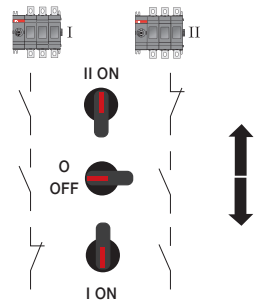
Ordering information for conversion kit accessories



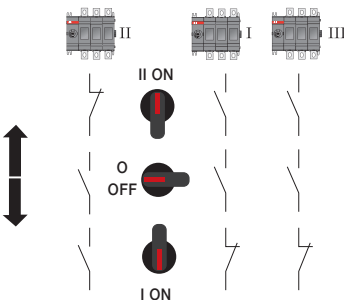
Change-over switches



Bypass switches



Change-over switches



Bypass switches

### Shafts and handles for conversion kits

| Conversion kit type           | Suitable for switches | To be ordered separately |             | Included in conversion kit delivery |               | The standard handle / shaft of one of the combined switches can be used |        |
|-------------------------------|-----------------------|--------------------------|-------------|-------------------------------------|---------------|---|--------|
|                               |                       | Shaft                    | Handle      | Shaft                               | Handle        | Shaft   | Handle |
| <b>6- and 8-pole switches</b> |                       |                          |             |                                     |               |   |        |
| OWP6D40                       | OT16...25, OT40       | x                        | OHBS1A_     | -                                   | -             | -   | -      |
| OWP6D80                       | OT63...80             | x                        | OHBS1A_     | -                                   | -             | -   | -      |
| OWP6D125                      | OT30, OT60, OT100     | x                        | OHBS1A_     | -                                   | -             | -   | -      |
| OWP6D40                       | OT16...25, OT40       | x                        | OHB45J6     | -                                   | -             | -   | -      |
| OWP6D80                       | OT63...80             | x                        | OHB45J6     | -                                   | -             | -   | -      |
| OWP6D125                      | OT30, OT60, OT100     | x                        | OHB45J6     | -                                   | -             | -   | -      |
| OTZW8                         | OT16...100            | x                        | x           | -                                   | -             | -   | -      |
| OESAZW2                       | OT160...200           | -                        | -           | x (2 pcs)                           | OHB145J12     | -   | -      |
| OESAZW9                       | OT400...600U          | -                        | -           | -                                   | -             | x   | x      |
| <b>Change-over switches</b>   |                       |                          |             |                                     |               |   |        |
| OWC6D40                       | OT16...25, OT40       | x                        | OHBS2AJE011 | -                                   | -             | -   | -      |
| OWC6D80                       | OT63...80             | x                        | OHBS2AJE011 | -                                   | -             | -   | -      |
| OWC6D125                      | OT30, OT60, OT100     | x                        | OHBS2AJE011 | -                                   | -             | -   | -      |
| OWC6D40                       | OT16...25, OT40       | x                        | OHB45J6E311 | -                                   | -             | -   | -      |
| OWC6D80                       | OT63...80             | x                        | OHB45J6E311 | -                                   | -             | -   | -      |
| OWC6D125                      | OT30, OT60, OT100     | x                        | OHB45J6E311 | -                                   | -             | -   | -      |
| OESAZW1                       | OT160                 | -                        | -           | -                                   | -             | x   | x      |
| OTZW25                        | OT200U                | -                        | -           | x (2 pcs)                           | OHB95J12E011  | -   | -      |
| OETLZW11                      | OT400U                | -                        | -           | x (2 pcs)                           | OHB145J12E011 | -   | -      |
| OETLZW12                      | OT600U                | -                        | -           | x (2 pcs)                           | YASDA21       | -   | -      |
| <b>By-pass switches</b>       |                       |                          |             |                                     |               |   |        |
| OTZW17                        | OT16...160            | -                        | -           | x (3 pcs)                           | OHB80J6E011   | -   | -      |
| OTZW26                        | OT200U                | -                        | -           | x (3 pcs)                           | OHB95J12E011  | -   | -      |
| OETLZW13                      | OT400...600U          | -                        | -           | x (3 pcs)                           | YASDA6        | -   | -      |
| <b>Mechanical interlock</b>   |                       |                          |             |                                     |               |   |        |
| OTZW24                        | OT16...160            | -                        | -           | -                                   | -             | x   | x      |
| OTZW10                        | OT200U                | -                        | -           | -                                   | -             | x   | x      |
| OETLZW14                      | OT400U                | -                        | -           | -                                   | -             | x   | x      |
| OETLZW3                       | OT400...600U          | -                        | -           | -                                   | -             | x   | x      |
| OETLZW15                      | OT400...2000U         | -                        | -           | -                                   | -             | x   | x      |

## Accessories for non-fusible disconnect switches OT16...2000

Ordering information for locking accessories

### Locking accessories



SA1

#### Padlocking adapter

For a padlock with max. 3.5mm bail.

| Suitable for switches | Type | Order number    | Weight/<br>unit |
|-----------------------|------|-----------------|-----------------|
|                       |      |                 | kg              |
| OT30, OT60...100      | SA1  | GJF1101903R0001 | 0.01            |



OHZX4

#### Door interlock bracket for pistol handles

Prevents defeating the door interlock.

| Suitable for switches          | Type  | Order number    | Weight/<br>unit |
|--------------------------------|-------|-----------------|-----------------|
|                                |       |                 | kg              |
| For pistol handles OH_45...275 | OHZX4 | 1SCA022467R2470 | 0.03            |



OETLZW16

#### Cam attachment

Cam attachment for Castell, Lowe & Fletcher and Ronis interlock. Lock, handle or shaft are not included. Mounting on OXP shaft working together with external OH door handle.

| Suitable for switches | Type     | Order number    | Weight/<br>unit |
|-----------------------|----------|-----------------|-----------------|
|                       |          |                 | kg              |
| OT16...160            | OETLZW16 | 1SCA022093R2070 | 0.17            |
| OT400...2000U         | OETLZW5  | 1SCA022052R3900 | 0.14            |

#### Shaft locking kit

Fixing the shaft to the switch mechanism. The screw is included in the package.

| Suitable for switches | Type      | Order number    | pcs |
|-----------------------|-----------|-----------------|-----|
| OT160...200U          | OTZS2/B10 | 1SCA126043R1001 | 10  |
| OT400...2000U         | OZX1      | 1SCA105708R1001 | 10  |

## Accessories for non-fusible disconnect switches OT200...1200

Ordering information for mechanical interlocks



OTZT1A



OTZT2A



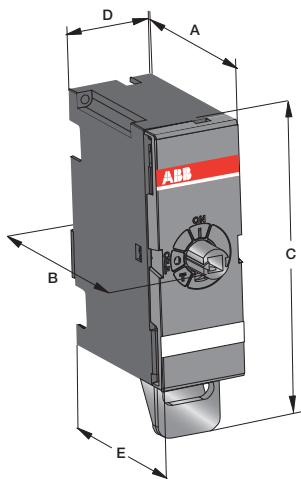
OTZT3A

### Mechanism interlock kits and electrical interlocks

OT200...1200 switch-disconnectors can be interlocked in the OFF-position using padlocks or a mechanical interlock kit mounted on the mechanism. The diameter of the lock bail can be max 8mm.

| Suitable for switches                            | Type   | Order number    | Weight/<br>unit<br>kg |
|--|--------|-----------------|-----------------------|
| <b>Interlocking in the OFF-position</b>          |        |                 |                       |
| OT200U   | OTZT1A | 1SCA106522R1001 | 0.21                  |
| OT400U   | OTZT2A | 1SCA106523R1001 | 0.57                  |
| OT600U   | OTZT3A | 1SCA106525R1001 | 0.75                  |
| OT800...1200U                                    | OTZT4A | 1SCA106526R1001 | 1.15                  |
| <b>Interlocking in the OFF- and ON-positions</b> |        |                 |                       |
| OT200U   | OTZT1L | 1SCA106527R1001 | 0.21                  |
| OT400U   | OTZT2L | 1SCA106529R1001 | 0.57                  |
| OT600U   | OTZT3L | 1SCA106530R1001 | 0.75                  |
| OT800...1200U                                    | OTZT4L | 1SCA106531R1001 | 1.15                  |

### Electrical and mechanical interlock OTZT\_



|          | OTZT1_ | OTZT2_ | OTZT3_ | OTZT4_ |
|----------|--------|--------|--------|--------|
|          | mm     | mm     | mm     | mm     |
| <b>A</b> | 69     | 81     | 86     | 88     |
| <b>B</b> | 82     | 102    | 110    | 110    |
| <b>C</b> | 122    | 152    | 201    | 258    |
| <b>D</b> | 35     | 52     | 65     | 84     |
| <b>E</b> | 73     | 91     | 98     | 95     |

M00350/OTZT1-4\_ A

## Accessories for non-fusible disconnect switches OT200...1200

### Ordering information for electrical interlocks



PDAL2

#### Coils for OTZT\_ electrical interlocks

By installing a coil inside the housing of the interlock kit the switch can be interlocked electrically in the OFF-position or both in the OFF- and ON-positions. The electrical interlock works using the "closed circuit principle", meaning that when the control voltage is not connected to the coil, the switches provided with A-type interlocks cannot be turned to the ON-position and switches with L-type interlocks cannot be turned to the ON- or OFF-positions.

| Suitable for switches              | Type                          | Order number    | Weight/<br>unit<br>kg |
|------------------------------------|-------------------------------|-----------------|-----------------------|
| <b>AC coils</b>                    |                               |                 |                       |
| 110 VAC, 50 Hz                     | PDAL2/110AC50Hz               | 1SCA106543R1001 | 0.15                  |
| 110 VAC, 60 Hz                     | PDAL2/110AC60Hz               | 1SCA107100R1001 | 0.15                  |
| 120 VAC, 60 Hz                     | PDAL2/120AC60Hz               | 1SCA111353R1001 | 0.15                  |
| 208 VAC, 60 Hz                     | PDAL2/208AC60Hz               | 1SCA107101R1001 | 0.15                  |
| 230 VAC, 50 Hz                     | PDAL2/230AC50Hz               | 1SCA107102R1001 | 0.15                  |
| 240 VAC, 60 Hz                     | PDAL2/240AC60Hz               | 1SCA111356R1001 | 0.15                  |
| <b>DC coils</b>                    |                               |                 |                       |
| 24 VDC                             | PDAL2/24DC                    | 1SCA106542R1001 | 0.15                  |
| 48 VDC                             | PDAL2/48DC                    | 1SCA107103R1001 | 0.15                  |
| 110 VDC                            | PDAL2/110DC                   | 1SCA107105R1001 | 0.15                  |
| 125 VDC                            | PDAL2/125DC                   | 1SCA111338R1001 | 0.15                  |
| 220 VDC                            | PDAL2/220DC                   | 1SCA112503R1001 | 0.15                  |
| <b>Technical data for the coil</b> |                               |                 |                       |
| Operating voltage                  | U = 0.8...1.1 x Un            |                 |                       |
| Operating ambient temperature      | -40° C...+65° C               |                 |                       |
| Power consumption                  | with AC 6.5 W<br>with DC 9 VA |                 |                       |

## Flange handles for non-fusible disconnect switches 30...100A

Ordering information for flange handles



Disconnect assembly  
OT\_F3-F



Handle  
DSFHN\_



Shaft  
OTFS\_

ABB's flange operated disconnect switches comply with NFPA79 requirements. The flange operated disconnect switches are available as ridged shaft or flexible cable operated versions. The cable operated version provides flexible depth and mounting location depending on the length of the cable. Cables are available in lengths up to 120 inches.

### Shaft operated 30...100A

For a complete assembly, please select one of each.

### Flange operated non-fusible disconnects (shaft) 3-pole

| UL general purpose amp rating (A) | Order number |
|-----------------------------------|--------------|
| 30                                | OT30F3-F     |
| 60                                | OT60F3-F     |
| 100                               | OT100F3-F    |

### Flange handle

| NEMA rating | Marking | Defeatable | Padlockable | Order number |
|-------------|---------|------------|-------------|--------------|
| 1/12/3R     | OFF/ON  | No         | Yes         | DSFHN-HS12   |
| 4/4X        | OFF/ON  | No         | Yes         | DSFHN-HS4    |

### Shafts

| For use with   | Maximum enclosure depth (in.) | Order number |
|----------------|-------------------------------|--------------|
| OT30...100F3-F | 16                            | OTFS-16      |
|                | 24                            | OTFS-24      |

## Flange handles for non-fusible disconnect switches 30...1200A

Ordering information for flange handles



Switch



Handle



Cable



Operating mechanism<sup>1</sup>



Lug kit<sup>2</sup>

### Cable operated 30...1200A

For a complete assembly, please select one of each.

#### Flange operated non-fusible disconnects (cable) 3-pole

| UL general purpose amp rating (A) | Disconnect switch order number | Mechanism order number |
|-----------------------------------|--------------------------------|------------------------|
| 30                                | OT30F3                         | MKCS1                  |
| 60                                | OT60F3                         | MKCS1                  |
| 100                               | OT100F3                        | MKCS1                  |
| 200                               | OT200U30                       | MKCS4                  |
| 400                               | OT400U30-FC                    | included with switch   |
| 600                               | OT600U30-FC                    | included with switch   |
| 800                               | OT800U30-FC                    | included with switch   |
| 1200                              | OT1200U30-FC                   | included with switch   |

#### Flange handle

| For use with           | Order number        |                  |
|------------------------|---------------------|------------------|
|                        | NEMA rating 1/12/3R | NEMA rating 4/4X |
| OT30...100F3, OT200U30 | OHF1C12             | OHF1C4           |
| OT400...600U30-FC      | K7FCH               | K7FCH4           |
| OT800...1200U30-FC     | K9FCH               | K9FCH4           |

#### Cable

| For use with           | Order number |         |         |         |         |         |          |         |
|------------------------|--------------|---------|---------|---------|---------|---------|----------|---------|
|                        | 36 in.       | 48 in.  | 60 in.  | 72 in.  | 84 in.  | 96 in.  | 108 in.  | 120 in. |
| OT30...100F3, OT200U30 | OXC1L36      | OXC1L48 | OXC1L60 | OXC1L72 | OXC1L84 | OXC1L96 | OXC1L108 | -       |
| OT400...600U30-FC      | -            | K7C048  | K7C060  | K7C072  | K7C084  | K7C096  | -        | K7C120  |
| OT800...1200U30-FC     | -            | K8C048  | K8C060  | K8C072  | K8C084  | K8C096  | -        | -       |

#### Terminal shrouds

| For use with | Order number |
|--------------|--------------|
| OT30...100F3 | OTS125T3     |
| OT200U30     | OTS250G1L/3  |
| OT400U30-FC  | OTS403-FC    |
| OT600U30-FC  | OTS603-FC    |
| OT800U30-FC  | OTS803-FC    |
| OT1200U30-FC | OTS1203-FC   |

<sup>1</sup> Rotate the OT\_03 disconnect 180 degrees to mount on the operating mechanism

<sup>2</sup> For disconnects above 100A

## Accessories for non-fusible disconnect switches OT Plus OT20...100

### Ordering information



OHB-G13

#### Handle knobs for base and DIN-rail mounted switches

Handle mounted directly on the switch.



OHR-G1



OHB-G3



OHR-G3



OHB-G3M



OHR-G3M



AUXGB-11  
AUXGD-11



AUXGM3-11

#### Possible to be used together with shaft, included in standard delivery

| Suitable for switches | Frame size | Padlocking | Color | Type   | Order number    | MOQ |
|-----------------------|------------|------------|-------|--------|-----------------|-----|
| OT20G1...OT50G1-      | G1         | Yes        | Black | OHB-G1 | 1SCA164206R1001 | 10  |
| OT20G1...OT50G1-      | G1         | Yes        | Red   | OHR-G1 | 1SCA164209R1001 | 10  |
| OT63G2-...OT100G2-    | G2         | Yes        | Black | OHB-G3 | 1SCA022145R1001 | 10  |
| OT30G3-...OT160G3-    | G3         |            | Red   | OHR-G3 | 1SCA162599R1001 | 10  |

#### Not possible to be used together with shaft

| Suitable for switches | Frame size | Padlocking | Color | Type    | Order number    | MOQ             |
|-----------------------|------------|------------|-------|---------|-----------------|-----------------|
| OT20G1...OT50G1-      | G1         | Yes        | Black | OHB-G1M | 1SCA164207R1001 | 10              |
| OT20G1...OT50G1-      | G1         |            | Red   | OHR-G1M | 1SCA164211R1001 | 10              |
| OT63G2-...OT100G2-    | G2         | Yes        | Black | OHB-G3M | 1SCA162791R1001 | 10              |
| OT30G3-...OT160G3-    |            |            | G3    | Red     | OHR-G3M         | 1SCA162789R1001 |

#### Auxiliary contacts for OT Plus switch disconnectors OT63G2\_...160G3\_

Snap-on mounting to the side of the switch. Mountable on both sides of the switch. Max. 2+2 contacts blocks (4NO + 4NC). All NO auxiliary contacts have early break function in any mountable position (NO auxiliary contact opens >20ms before main contacts). Contact numbering according to EN50013 included. I<sub>th</sub> = 16 A, cable cross section max. 2x2.5 mm<sup>2</sup>.

| Suitable for switches   | Frame size | Mounting          | Function  | Type      | Order number    |
|-------------------------|------------|-------------------|-----------|-----------|-----------------|
| OT20G1-...OT50G1-_B_/M_ | G1         | DIN and Base      | 1NO + 1NC | AUXGB-11  | 1SCA162594R1001 |
| OT63G2-...OT100G2-_BS   | G2         |                   |           |           |                 |
| OT30G3-...OT160G3-_BS   | G3         |                   |           |           |                 |
| OT16G1-...OT63G1-_D_    | G1         | Door              | 1NO + 1NC | AUXGD-11  | 1SCA162595R1001 |
| OT63G2-...OT100G2-_DS   | G2         |                   |           |           |                 |
| OT30G3-...OT160G3-_DS   | G3         |                   |           |           |                 |
| OT20G1-...OT50G1-_B_/M_ | G1         | Incl. DIN adapter | 1NO + 1NC | AUXGM3-11 | 1SCA162790R1001 |
| OT63G2-...OT100G2-_BS   | G2         |                   |           |           |                 |
| OT30G3-...OT160G3-_BS   | G3         |                   |           |           |                 |

## Accessories for non-fusible disconnect switches OT Plus OT20...100

### Ordering information



PEG1/PNG1

#### Additional pole for base, DIN-rail and door mounted switches

Mountable on both sides of the switch. Suitable for both base and door mounted switches.

#### Fixed neutral pole

| Suitable for switches | Frame size | Marking | Type   | Order number    |
|-----------------------|------------|---------|--------|-----------------|
| OT20...OT50G1-_S      | G1         | N       | PNG1-S | 1SCA164219R1001 |
| OT20...OT50G1-_Q      | G1         | N       | PNG1-Q | 1SCA164217R1001 |
| OT63G2-...OT100G2-    | G2         | N       | PNG2   | 1SCA162602R1001 |
| OT30G3-...OT160G3-    | G3         | N       | PNG3   | 1SCA162603R1001 |



PNG2

#### Protective earth pole

| Suitable for switches | Frame size | Marking | Type   | Order number    |
|-----------------------|------------|---------|--------|-----------------|
| OT16G1-...OT63G1-_S   | G1         | PE      | PEG1-S | 1SCA164215R1001 |
| OT16G1-...OT63G1-_Q   | G1         | PE      | PEG1-Q | 1SCA164213R1001 |
| OT63G2-...OT100G2-    | G2         | PE      | PEG2   | 1SCA162600R1001 |
| OT30G3-...OT160G3-    | G3         | PE      | PEG3   | 1SCA162601R1001 |



PEG3

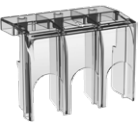
#### Terminal shrouds for base, DIN-rail and door mounted switches

Snap-on mounting, mountable on both sides of the switch. Suitable for both base and door mounted switches. IP2X from front.



TSG3-1

| Suitable for switches | Frame size | Color       | Poles | Type   | Order number    |
|-----------------------|------------|-------------|-------|--------|-----------------|
| OT20G1-...OT50G1-     | G1         | Transparent | 1     | TSG1-1 | 1SCA163875R1001 |
| OT20G1-...OT50G1-     | G1         | Transparent | 3     | TSG1-3 | 1SCA163876R1001 |
| OT63G2-...OT100G2-    | G2         | Transparent | 1     | TSG2-1 | 1SCA162604R1001 |
| OT63G2-...OT100G2-    | G2         | Transparent | 3     | TSG2-3 | 1SCA162605R1001 |
| OT30G3-...OT160G3-    | G3         | Transparent | 1     | TSG3-1 | 1SCA162606R1001 |
| OT30G3-...OT160G3-    | G3         | Transparent | 3     | TSG3-3 | 1SCA162607R1001 |



TSG3-3

#### Retrofit adapter plate for base mounted OT30G3\_...100G3\_

Possible to use existing screw mounting holes of OT30...100F\_ series switch disconnectors.



RFB-G3

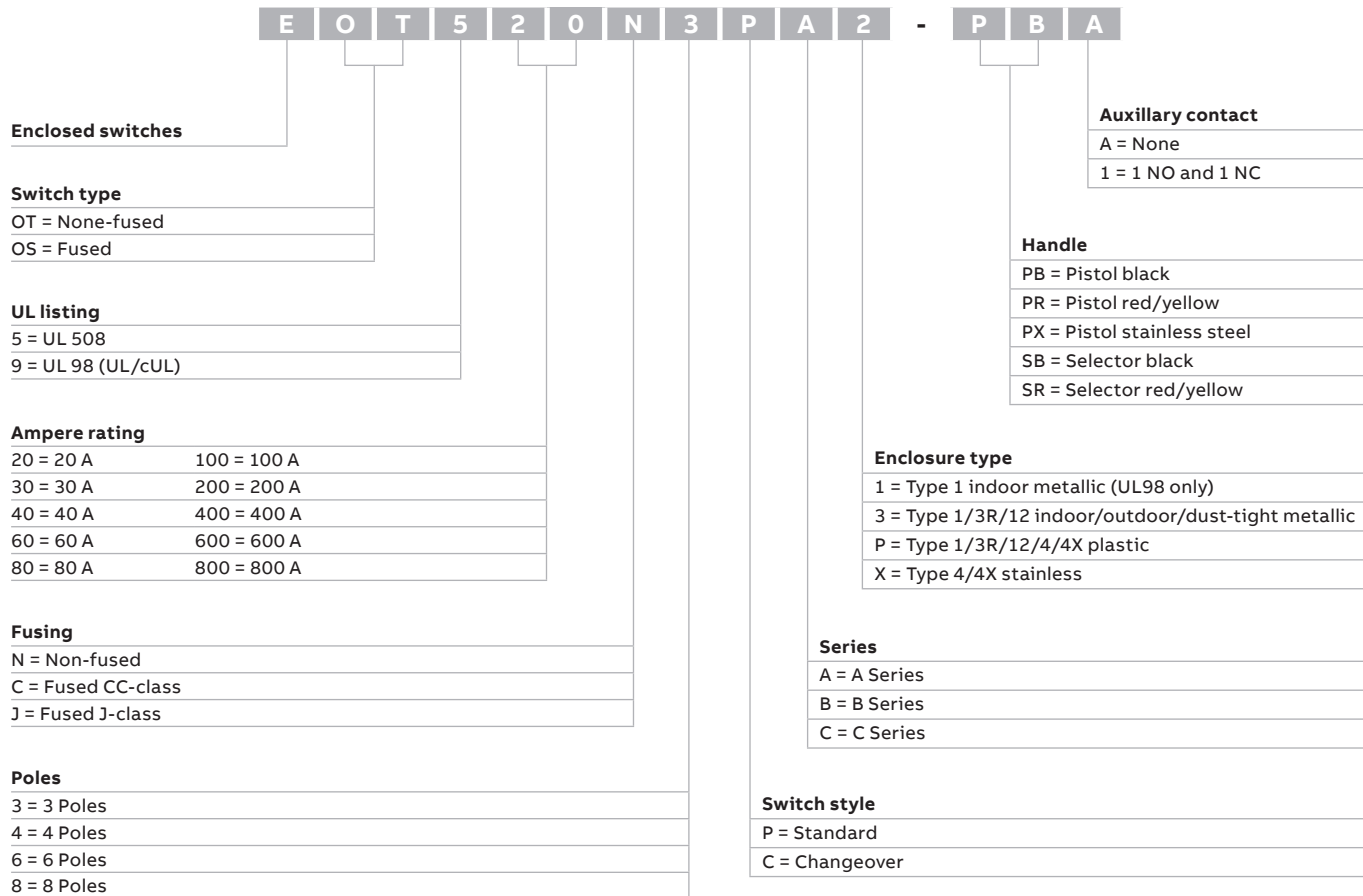
| Suitable for switches | Frame size | Retrofit adapter for | Type   | Order number    |
|-----------------------|------------|----------------------|--------|-----------------|
| OT30G3-...OT100G3-BS  | G3         | OT30...100F_         | RFB-G3 | 1SCA163120R1001 |

# Enclosed Rotary Switches

## Product overview

The eOS and eOT series of Enclosed Rotary Switches are available in a wide range of options to suit your application.

- Enclosure NEMA types 1, 3R, 4X stainless steel and 4 plastic
- UL 98 listed 30–600 A; UL 508 listed 20–80 A
- Fused (eOS) and non-fused (eOT) options
- Rated up to 600 V
- 3-pole, 6-pole and 3-pole changeover
- Pistol and selector switch operators
- Auxiliary contacts



## Enclosed Rotary Switches

Product range



| Switch size [A] | 20      | 30      | 40      | 50      | 80      |
|-----------------|---------|---------|---------|---------|---------|
| UL508 Switch    | EOT 520 | EOT 530 | EOT 540 | EOT 560 | EOT 580 |
| 240V HP         | 5       | 7.5     | 10      | 15      | 20      |
| 480V HP         | 10      | 15      | 20      | 30      | 40      |
| 600V HP         | 10      | 20      | 25      | 30      | -       |



| Switch size [A] | 30     | 60     | 100     | 200     | 400     | 600     |
|-----------------|--------|--------|---------|---------|---------|---------|
| UL98 Switch     | EOT930 | EOT960 | EOT9100 | EOT9200 | EOT9400 | EOT9600 |
| 240V HP         | 10     | 20     | 30      | 75      | 125     | 200     |
| 480V HP         | 20     | 40     | 50      | 150     | 250     | 450     |
| 600V HP         | 30     | 40     | 50      | 200     | 350     | 500     |



| Switch size [A] | 30     | 60     | 100     | 200     | 400     | 600     |
|-----------------|--------|--------|---------|---------|---------|---------|
| UL98 Switch     | EOS930 | EOS960 | EOS9100 | EOS9200 | EOS9400 | EOS9600 |
| 240V HP         | 7.5    | 15     | 30      | 60      | 125     | 200     |
| 480V HP         | 15     | 30     | 60      | 125     | 250     | 450     |
| 600V HP         | 20     | 50     | 75      | 150     | 350     | 500     |

# EOT520 ... EOT580 Enclosed Rotary Switches

Technical data  
UL 508

## Technical data according to UL/CSA, AC ratings

| Switch type                              |                   | EOT520                   |              | EOT530                   |              | EOT540                   |              | EOT560                   |        | EOT580                   |        |        |
|--|-------------------|--------------------------|--------------|--------------------------|--------------|--------------------------|--------------|--------------------------|--------|--------------------------|--------|--------|
|  | Approval          | cUL <sub>us</sub> Listed |              | cUL <sub>us</sub> Listed |              | cUL <sub>us</sub> Listed |              | cUL <sub>us</sub> Listed |        | cUL <sub>us</sub> Listed |        |        |
|  | File #            | E63822                   |              | E63822                   |              | E63822                   |              | E63822                   |        | E63822                   |        |        |
|  | Compliance        | UL 508                   |              | UL 508                   |              | UL 508                   |              | UL 508                   |        | UL 508                   |        |        |
| General purpose amp rating               | pf= 0.7...0.8     | -40 °C to 40 °C          | 20 A         | 30 A                     | 40 A         | 60 A                     | 80 A         |                          |        |                          |        |        |
| Max. operating voltage                   |                   |                          | 600 V        | 600 V                    | 600 V        | 600 V                    | 600 V        | 600 V                    | 600 V  |                          |        |        |
| Max. horsepower rating/motor FLA current | pf= 0.4...0.5     | 240 V                    | 5 hp/15.2 A  | 7.5 hp/22.0 A            | 10 hp/28.0 A | 15 hp/42.0 A             | 20 hp/54.0 A |                          |        |                          |        |        |
|  |                   | Three phase              | 480 V        | 10 hp/14.0 A             | 15 hp/21.0 A | 20 hp/27.0 A             | 30 hp/40.0 A | 40 hp/52.0 A             |        |                          |        |        |
|  | Single phase      | 600 V                    | 10 hp/11.0 A | 20 hp/22.0 A             | 25 hp/27.0 A | 30 hp/32.0 A             | 40 hp/41.0 A |                          |        |                          |        |        |
|  |                   | 120 V                    | 1 hp/16.0 A  | 1.5 hp/20.0 A            | 2 hp/24.0 A  | 2 hp/24.0 A              | 2 hp/24.0 A  |                          |        |                          |        |        |
|  |                   | 240 V                    | 2 hp/12.0 A  | 3 hp/17.0 A              | 5 hp/28.0 A  | 7.5 hp/40.0 A            | 10 hp/50.0 A |                          |        |                          |        |        |
|  |                   | 480 V                    | 5 hp/14.0 A  | 7.5 hp/21.0 A            | 10 hp/26.0 A | 15 hp/34.0 A             | 20 hp/44.0 A |                          |        |                          |        |        |
| 600 V                                    | 7.5 hp/16.0 A     | 10 hp/20.0 A             | 15 hp/27.0 A | 15 hp/27.0 A             | 20 hp/38.5 A |                          |              |                          |        |                          |        |        |
| Short circuit rating with fuse           | Maximum fuse size |                          | 30 A         | 60 A                     | 30 A         | 60 A                     | 30 A         | 60 A                     | 100 A  | 150 A                    | 100 A  | 150 A  |
|  |                   | Fuse type                | J            | 10 kA                    | 10 kA        | 10 kA                    | 10 kA        | 10 kA                    | 10 kA  | 100 kA                   | –      | 100 kA |
|  | Fuse type         | T                        | 10 kA        | 10 kA                    | 10 kA        | 10 kA                    | 10 kA        | 10 kA                    | 100 kA | –                        | 100 kA | –      |
|  | Fuse type         | RK1                      | 10 kA        | –                        | 10 kA        | –                        | 10 kA        | –                        | –      | –                        | –      | –      |
|  | Fuse type         | RK5 <sup>1</sup>         | 5 kA         | 5 kA                     | 5 kA         | 5 kA                     | 5 kA         | 5 kA                     | 10 kA  | 5 kA                     | 10 kA  | 5 kA   |
|  | Fuse type         | L                        | –            | –                        | –            | –                        | –            | –                        | –      | –                        | –      | –      |
|  | Fuse type         | H                        | –            | –                        | –            | –                        | –            | –                        | –      | 5 kA                     | –      | 5 kA   |

<sup>1</sup>Fuse size 70 A for RK5.

## Endurances

|   |                 |                   |                   |                   |                  |                  |                    |                    |                    |                    |
|---|-----------------|-------------------|-------------------|-------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| Min. electrical endurance, pf. 0.75...0.8 |                 | 6000 oper.        | 6000 oper.        | 6000 oper.        | 6000 oper.       | 6000 oper.       | 6000 oper.         | 6000 oper.         | 6000 oper.         | 6000 oper.         |
| Mechanical endurance                      |                 | 20,000 oper.      | 20,000 oper.      | 20,000 oper.      | 20,000 oper.     | 20,000 oper.     | 20,000 oper.       | 20,000 oper.       | 20,000 oper.       | 20,000 oper.       |
| Terminal lugs                             |                 | Integrated        | Integrated        | Integrated        | Integrated       | Integrated       | Integrated         | Integrated         | Integrated         | Integrated         |
| Copper wire range                         | 60–75 °C        | 18–8 AWG          | 18–8 AWG          | 18–8 AWG          | 14–4 AWG         | 14–4 AWG         | 14–4 AWG           | 14–4 AWG           | 14–4 AWG           | 8–1/0 AWG          |
| Torque                                    | Wire tightening | 0.8 Nm/ 7 lb. in. | 0.8 Nm/ 7 lb. in. | 0.8 Nm/ 7 lb. in. | 2 Nm/ 18 lb. in. | 2 Nm/ 18 lb. in. | 6.2 Nm/ 55 lb. in. | 6.2 Nm/ 55 lb. in. | 6.2 Nm/ 55 lb. in. | 6.2 Nm/ 55 lb. in. |

## EOT520 ... EOT580 Enclosed Rotary Switches

3-pole UL 508, non-fused

NEMA 3R/12 metal enclosure



EOT540N3PA3-SBA

### 3-pole UL 508, non-fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N3PA3-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3PA3-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3PA3-PR1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3PA3-PB1 | 2.37 / 1.07             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N3PA3-SBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3PA3-SRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3PA3-SB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3PA3-SR1 | 2.37 / 1.07             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N3PA3-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3PA3-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3PA3-PB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3PA3-PR1 | 2.37 / 1.07             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N3PA3-SBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3PA3-SRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3PA3-SB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3PA3-SR1 | 2.37 / 1.07             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N3PA3-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3PA3-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3PA3-PB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3PA3-PR1 | 2.37 / 1.07             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N3PA3-SBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3PA3-SRA | 2.30 / 1.04             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3PA3-SB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3PA3-SR1 | 2.37 / 1.07             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N3PA3-PBA | 3.35 / 1.52             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3PA3-PRA | 3.35 / 1.52             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3PA3-PB1 | 3.42 / 1.55             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3PA3-PR1 | 3.42 / 1.55             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N3PA3-SBA | 3.35 / 1.52             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3PA3-SRA | 3.35 / 1.52             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3PA3-SB1 | 3.42 / 1.55             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3PA3-SR1 | 3.42 / 1.55             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N3PA3-PBA | 3.79 / 1.72             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3PA3-PRA | 3.79 / 1.72             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3PA3-PB1 | 3.86 / 1.75             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3PA3-PR1 | 3.86 / 1.75             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N3PA3-SBA | 3.79 / 1.72             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3PA3-SRA | 3.79 / 1.72             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3PA3-SB1 | 3.86 / 1.75             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3PA3-SR1 | 3.86 / 1.75             |

## EOT520 ... EOT580 Enclosed Rotary Switches

3-pole UL 508, non-fused

NEMA 4/4X stainless steel enclosure



EOT520N3PAX-PBA

### 3-pole UL 508, non-fused — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color    | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|-----------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |                 |                    |                 |                         |
|                | HP                        | HP       | HP       |             |                 |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black           | –                  | EOT520N3PAX-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT520N3PAX-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | –                  | EOT520N3PAX-PXA | 2.30 / 1.04             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT520N3PAX-PR1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT520N3PAX-PB1 | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT520N3PAX-PX1 | 2.30 / 1.04             |
| 30             | 7                         | 15       | 20       | Pistol      | Black           | –                  | EOT530N3PAX-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT530N3PAX-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | –                  | EOT530N3PAX-PXA | 2.30 / 1.04             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT530N3PAX-PB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT530N3PAX-PR1 | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT530N3PAX-PX1 | 2.30 / 1.04             |
| 40             | 10                        | 20       | 25       | Pistol      | Black           | –                  | EOT540N3PAX-PBA | 2.30 / 1.04             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT540N3PAX-PRA | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | –                  | EOT540N3PAX-PXA | 2.30 / 1.04             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT540N3PAX-PB1 | 2.37 / 1.07             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT540N3PAX-PR1 | 2.30 / 1.04             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT540N3PAX-PX1 | 2.30 / 1.04             |
| 60             | 15                        | 30       | 30       | Pistol      | Black           | –                  | EOT560N3PAX-PBA | 3.35 / 1.52             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT560N3PAX-PRA | 3.35 / 1.52             |
|                |                           |          |          |             | Stainless steel | –                  | EOT560N3PAX-PXA | 3.35 / 1.52             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT560N3PAX-PB1 | 3.42 / 1.55             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT560N3PAX-PR1 | 3.42 / 1.55             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT560N3PAX-PX1 | 3.42 / 1.55             |
| 80             | 20                        | 40       | 40       | Pistol      | Black           | –                  | EOT580N3PAX-PBA | 3.79 / 1.72             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT580N3PAX-PRA | 3.79 / 1.72             |
|                |                           |          |          |             | Stainless steel | –                  | EOT580N3PAX-PXA | 3.79 / 1.72             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT580N3PAX-PB1 | 3.86 / 1.75             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT580N3PAX-PR1 | 3.86 / 1.75             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT580N3PAX-PX1 | 3.86 / 1.75             |

## EOT520 ... EOT580 Enclosed Rotary Switches

3-pole UL 508, non-fused

NEMA 4/4X plastic enclosure



EOT520N3PAP-PBA

### 3-pole UL 508, non-fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N3PAP-PBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3PAP-PRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3PAP-PB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3PAP-PR1 | 1.87 / 0.85             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N3PAP-SBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3PAP-SRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3PAP-SB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3PAP-SR1 | 1.87 / 0.85             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N3PAP-PBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3PAP-PRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3PAP-PB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3PAP-PR1 | 1.87 / 0.85             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N3PAP-SBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3PAP-SRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3PAP-SB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3PAP-SR1 | 1.87 / 0.85             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N3PAP-PBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3PAP-PRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3PAP-PB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3PAP-PR1 | 1.87 / 0.85             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N3PAP-SBA | 1.80 / 0.82             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3PAP-SRA | 1.80 / 0.82             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3PAP-SB1 | 1.87 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3PAP-SR1 | 1.87 / 0.85             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N3PAP-PBA | 1.35 / 0.61             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3PAP-PRA | 1.35 / 0.61             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3PAP-PB1 | 1.42 / 0.64             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3PAP-PR1 | 1.42 / 0.64             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N3PAP-SBA | 1.35 / 0.61             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3PAP-SRA | 1.35 / 0.61             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3PAP-SB1 | 1.42 / 0.64             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3PAP-SR1 | 1.42 / 0.64             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N3PAP-PBA | 1.79 / 0.81             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3PAP-PRA | 1.79 / 0.81             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3PAP-PB1 | 1.86 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3PAP-PR1 | 1.86 / 0.85             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N3PAP-SBA | 1.79 / 0.81             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3PAP-SRA | 1.79 / 0.81             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3PAP-SB1 | 1.86 / 0.85             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3PAP-SR1 | 1.86 / 0.85             |

## EOT520 ... EOT580 Enclosed Rotary Switches

6-pole UL 508, non-fused  
NEMA 3R/12 metal enclosure



EOT560N6PA3-PRA

### 6-pole UL 508, non-fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N6PA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N6PA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N6PA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N6PA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N6PA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N6PA3-SR1 | 3.77 / 1.71             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N6PA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N6PA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N6PA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N6PA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N6PA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N6PA3-SR1 | 3.77 / 1.71             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N6PA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N6PA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N6PA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N6PA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N6PA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N6PA3-SR1 | 3.77 / 1.71             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N6PA3-PBA | 4.70 / 2.13             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PA3-PRA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N6PA3-PB1 | 4.77 / 2.16             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N6PA3-PR1 | 4.77 / 2.16             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N6PA3-SBA | 4.70 / 2.13             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PA3-SRA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N6PA3-SB1 | 4.77 / 2.16             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N6PA3-SR1 | 4.77 / 2.16             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N6PA3-PBA | 5.70 / 2.59             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N6PA3-PRA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N6PA3-PB1 | 5.77 / 2.62             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N6PA3-PR1 | 5.77 / 2.62             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N6PA3-SBA | 5.70 / 2.59             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N6PA3-SRA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N6PA3-SB1 | 5.77 / 2.62             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N6PA3-SR1 | 5.77 / 2.62             |

## EOT520 ... EOT580 Enclosed Rotary Switches

6-pole UL 508, non-fused

NEMA 4/4X stainless steel enclosure



EOT530N6PAX-PRA

### 6-pole UL 508, non-fused — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N6PAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PAX-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N6PAX-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N6PAX-PR1 | 3.77 / 1.71             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N6PAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PAX-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N6PAX-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N6PAX-PR1 | 3.77 / 1.71             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N6PAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PAX-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N6PAX-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N6PAX-PR1 | 3.77 / 1.71             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N6PAX-PBA | 4.70 / 2.13             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PAX-PRA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N6PAX-PB1 | 4.77 / 2.16             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N6PAX-PR1 | 4.77 / 2.16             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N6PAX-PBA | 5.70 / 2.59             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N6PAX-PRA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N6PAX-PB1 | 5.77 / 2.62             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N6PAX-PR1 | 5.77 / 2.62             |

## EOT520 ... EOT580 Enclosed Rotary Switches

6-pole UL 508, non-fused  
NEMA 4/4X plastic enclosure



EOT520N6PAP-PBA

### 6-pole UL 508, non-fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N6PAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PAP-PRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N6PAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N6PAP-PR1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N6PAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PAP-SRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | –                  | EOT520N6PAP-SB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N6PAP-SR1 | 1.77 / 0.80             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N6PAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PAP-PRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N6PAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N6PAP-PR1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N6PAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PAP-SRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | –                  | EOT530N6PAP-SB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N6PAP-SR1 | 1.77 / 0.80             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N6PAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PAP-PRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N6PAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N6PAP-PR1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N6PAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PAP-SRA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | –                  | EOT540N6PAP-SB1 | 1.77 / 0.80             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N6PAP-SR1 | 1.77 / 0.80             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N6PAP-PBA | 2.70 / 1.22             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PAP-PRA | 2.70 / 1.22             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N6PAP-PB1 | 2.77 / 1.25             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N6PAP-PR1 | 2.77 / 1.25             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N6PAP-SBA | 2.70 / 1.22             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PAP-SRA | 2.70 / 1.22             |
|                |                           |          |          |             | Black        | –                  | EOT560N6PAP-SB1 | 2.77 / 1.25             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N6PAP-SR1 | 2.77 / 1.25             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N6PAP-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N6PAP-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N6PAP-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N6PAP-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N6PAP-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N6PAP-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N6PAP-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N6PAP-SR1 | 3.77 / 1.71             |

## EOT520 ... EOT580 Enclosed Rotary Switches

3-pole UL 508, changeover  
NEMA 3R/12 metal enclosure



EOT560N3CA3-PRA

### 3-pole UL 508, changeover — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N3CA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3CA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3CA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3CA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N3CA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT520N3CA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3CA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT520N3CA3-SR1 | 3.77 / 1.71             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N3CA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3CA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3CA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3CA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N3CA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT530N3CA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3CA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT530N3CA3-SR1 | 3.77 / 1.71             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N3CA3-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3CA3-PRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3CA3-PB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3CA3-PR1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N3CA3-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT540N3CA3-SRA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3CA3-SB1 | 3.77 / 1.71             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT540N3CA3-SR1 | 3.77 / 1.71             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N3CA3-PBA | 4.70 / 2.13             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3CA3-PRA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3CA3-PB1 | 4.77 / 2.16             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3CA3-PR1 | 4.77 / 2.16             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N3CA3-SBA | 4.70 / 2.13             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT560N3CA3-SRA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3CA3-SB1 | 4.77 / 2.16             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT560N3CA3-SR1 | 4.77 / 2.16             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N3CA3-PBA | 5.70 / 2.59             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3CA3-PRA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3CA3-PB1 | 5.77 / 2.62             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3CA3-PR1 | 5.77 / 2.62             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N3CA3-SBA | 5.70 / 2.59             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT580N3CA3-SRA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3CA3-SB1 | 5.77 / 2.62             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT580N3CA3-SR1 | 5.77 / 2.62             |

## EOT520 ... EOT580 Enclosed Rotary Switches

3-pole UL 508, changeover

NEMA 4/4X stainless steel and NEMA 4/4X plastic enclosures



EOT540N3CAX-PBA

### 3-pole UL 508, changeover — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N3CAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3CAX-PB1 | 3.77 / 1.71             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N3CAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3CAX-PB1 | 3.77 / 1.71             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N3CAX-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3CAX-PB1 | 3.77 / 1.71             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N3CAX-PBA | 4.70 / 2.13             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3CAX-PB1 | 4.77 / 2.16             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N3CAX-PBA | 5.70 / 2.59             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3CAX-PB1 | 5.77 / 2.62             |



EOT540N3CAP-PBA

### 3-pole UL 508, changeover — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number    | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|-----------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                 |                         |
|                | HP                        | HP       | HP       |             |              |                    |                 |                         |
| 20             | 5                         | 10       | 10       | Pistol      | Black        | –                  | EOT520N3CAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3CAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT520N3CAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT520N3CAP-SB1 | 1.77 / 0.80             |
| 30             | 7                         | 15       | 20       | Pistol      | Black        | –                  | EOT530N3CAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3CAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT530N3CAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT530N3CAP-SB1 | 1.77 / 0.80             |
| 40             | 10                        | 20       | 25       | Pistol      | Black        | –                  | EOT540N3CAP-PBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3CAP-PB1 | 1.77 / 0.80             |
|                |                           |          |          | Selector    | Black        | –                  | EOT540N3CAP-SBA | 1.70 / 0.77             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT540N3CAP-SB1 | 1.77 / 0.80             |
| 60             | 15                        | 30       | 30       | Pistol      | Black        | –                  | EOT560N3CAP-PBA | 2.70 / 1.22             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3CAP-PB1 | 2.77 / 1.25             |
|                |                           |          |          | Selector    | Black        | –                  | EOT560N3CAP-SBA | 2.70 / 1.22             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT560N3CAP-SB1 | 2.77 / 1.25             |
| 80             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT580N3CAP-PBA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3CAP-PB1 | 3.77 / 1.71             |
|                |                           |          |          | Selector    | Black        | –                  | EOT580N3CAP-SBA | 3.70 / 1.68             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT580N3CAP-SB1 | 3.77 / 1.71             |

## EOT930... EOT9600 Enclosed Rotary Switches (Non-Fused)

Technical data

UL 98

| Switch type  |                   |                                    | EOT930                   | EOT960                   | EOT9100                  | EOT9200                  | EOT9400                  | EOT9600                  |                 |                 |
|--|-------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|-----------------|
|  | Approval          |                                    | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed |                 |                 |
|  | File #            |                                    | E226345                  | E226345                  | E226345                  | E226345                  | E226345                  | E226345                  |                 |                 |
|  | Compliance        |                                    | UL 98                    | UL 98                    | UL 98                    | UL 98                    | UL 98                    | UL 98                    |                 |                 |
| <b>Technical data according to UL/CSA AC ratings</b> |                   |                                    |                          |                          |                          |                          |                          |                          |                 |                 |
| General purpose amp rating                           | pf= 0.7...0.8     | -40 °C to 40 °C                    | 30 A                     | 60 A                     | 100 A                    | 200 A                    | 400 A                    | 600 A                    |                 |                 |
| Max. operating voltage                               | -                 | -                                  | 600 V                    | 600 V                    | 600 V                    | 600 V                    | 600 V                    | 600 V                    |                 |                 |
| Max. horsepower rating / max. motor FLA current      | pf= 0.4...0.5     | 240 V                              | 10 hp/ 28.0 A            | 20 hp/ 54.0 A            | 30 hp/ 80.0 A            | 75 hp/ 192.0 A           | 125 hp/ 312.0 A          | 200 hp/ 480 A            |                 |                 |
|  |                   | Three phase                        |                          | 480 V                    | 20 hp/ 27.0 A            | 40 hp/ 52.0 A            | 50 hp/ 65.0 A            | 150 hp/ 180.0 A          | 250 hp/ 302.0 A | 450 hp/ 515.0 A |
|  |                   |                                    | 600 V                    | 30 hp/ 32.0 A            | 40 hp/ 41.0 A            | 50 hp/ 52.0 A            | 200 hp/ 192.0 A          | 350 hp/ 336.0 A          | 500 hp/ 472.0 A |                 |
|  |                   |                                    | Single phase             |                          | 120 V                    | 2 hp/ 24.0 A             | 3 hp/ 34.0 A             | 5 hp/ 56.0 A             | -               | -               |
|  |                   |                                    | 240 V                    | 5 hp/ 28.0 A             | 7.5 hp/ 40.0 A           | 15 hp/ 68.0 A            | -                        | -                        | -               |                 |
|  |                   |                                    | 480 V                    | -                        | -                        | 25 hp/ 55.0 A            | -                        | -                        | -               |                 |
|  |                   | 600 V                              | -                        | -                        | 20 hp/ 35.0 A            | -                        | -                        | -                        |                 |                 |
| Short circuit rating with fuse                       | Maximum fuse size |                                    | 60 A                     | 60 A                     | 150 A                    | 100 A                    | -                        | -                        |                 |                 |
|  | Fuse type         | J                                  | 200 kA                   | 200 kA                   | 50 kA                    | 200 kA                   | 200 kA                   | 100 kA                   | 100 kA          |                 |
|  |                   | T                                  | 200 kA                   | 200 kA                   | 50 kA                    | 200 kA                   | -                        | 100 kA                   | -               |                 |
|  | Fuse type         | RK1                                | -                        | -                        | -                        | -                        | -                        | -                        | 100 kA          |                 |
|  |                   | RK5                                | -                        | -                        | -                        | -                        | -                        | -                        | 100 kA          |                 |
| L  |                   | -                                  | -                        | -                        | -                        | -                        | -                        | 100 kA                   |                 |                 |
| H  | -                 | -                                  | -                        | -                        | -                        | -                        | -                        |                          |                 |                 |
| Maximum fuse size                                    | -                 | -                                  | -                        | -                        | -                        | 200 A                    | 350 A                    | 600 A                    |                 |                 |
| Current rating                                       | -                 | at 250 V DC                        | -                        | -                        | -                        | 200 A                    | 400 A                    | 600 A                    |                 |                 |
|  | -                 | at 600 V DC                        | -                        | -                        | -                        | 100 A                    | 200 A                    | 200 A                    |                 |                 |
| DC horsepower rating for 4-pole switch               | -                 | at 600 V DC                        | -                        | -                        | -                        | 50 HP                    | 50 HP                    | -                        |                 |                 |
| DC short circuit rating for 4-pole switch            | -                 |                                    | -                        | -                        | -                        | 10 kA                    | 10 kA                    | 10 kA                    |                 |                 |
| Min. electrical endurance, pf. 0.75...0.8            | -                 | Oper. cycles                       | 6000                     | 6000                     | 6000                     | 6000                     | 1000                     | 1000                     |                 |                 |
|  |                   | Divide by two for operation cycles | 20,000 oper.             | 20,000 oper.             | 20,000 oper.             | 20,000 oper.             | 16,000 oper.             | 10,000 oper.             |                 |                 |
| Terminal lugs  | -                 |                                    | Integrated               | Integrated               | Integrated               | Optional                 | Optional                 | Optional                 |                 |                 |
| Copper wire range                                    | -                 | 60-75° C                           | 14-4 AWG                 | 14-4 AWG                 | 8-1/0 AWG                |                          |                          |                          |                 |                 |
| Terminal lug kits (optional)                         | -                 | 75° C wire                         | -                        | -                        | -                        | OZXA-200                 | OZXA-400                 | OZXA-800                 |                 |                 |
| Wire range   | -                 | -                                  | -                        | -                        | -                        | 4-300 MCM AWG            | 2-600 MCM AWG            | 2 x 2-600 MCM AWG        |                 |                 |
| Torque   | -                 | Wire tightening                    | 55 lb. in./ 6.2 Nm       | 55 lb. in./ 6.2 Nm       | 55 lb. in./ 6.2 Nm       | 200 lb. in./ 22.6 Nm     | 375 lb. in./ 42.4 Nm     | 500 lb. in./ 56.2 Nm     |                 |                 |
|  |                   | Lug mounting                       | -                        | -                        | -                        | 72 lb. in./ 8.1 Nm       | 240 lb. in./ 27.1 Nm     | 480 lb. in./ 54.2 Nm     |                 |                 |

## EOS930 ... EOS9600 Enclosed Rotary Switches (Fused)

Technical data

UL 98

|   |                                  |                  | EOS930                   | EOS960                     | EOS9100                  | EOS9200                  | EOS9400                  | EOS9600                   |
|---|----------------------------------|------------------|--------------------------|----------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| Approvals <sup>1)</sup>                             | Approval                         |                  | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed   | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed | cUL <sub>US</sub> Listed  |
|   | File #                           |                  | E226345                  | E226345                    | E226345                  | E226345                  | E226345                  | E226345                   |
|   | Compliance                       |                  | UL 98                    | UL 98                      | UL 98                    | UL 98                    | UL 98                    | UL 98                     |
| <b>Technical data according to UL/CSA</b>           |                                  |                  |                          |                            |                          |                          |                          |                           |
| General purpose amp rating                          | pf= 0.7...0.8                    | up to 40 °C      | 30 A                     | 60 A                       | 100 A                    | 200 A                    | 400 A                    | 600 A                     |
| Max. operating voltage                              | -                                | -                | 600 V AC                 | 600 V AC                   | 600 V AC                 | 600 V AC                 | 600 V AC                 | 600 V AC                  |
|   |                                  |                  | 250 V DC                 | 250 V DC                   | 250 V DC                 | 250 V DC                 | 250 V DC                 | 250 V DC                  |
| Max. horsepower rating/ motor FLA current           | pf= 0.4...0.5<br>Three phase     | 240 V            | 7.5 hp/<br>22.0 A        | 15 hp/<br>42.0 A           | 30 hp/<br>80.0 A         | 60 hp/<br>154.0 A        | 125.0 hp/<br>312.0 A     | 200 hp/<br>480.0 A        |
|   |                                  | 480 V            | 15 hp/<br>21.0 A         | 30 hp/<br>40.0 A           | 60 hp/<br>77.0 A         | 125 hp/<br>156.0 A       | 250.0 hp/<br>302.0 A     | 400 hp/<br>477.0 A        |
|   |                                  | 600 V            | 20 hp/<br>22.0 A         | 50 hp/<br>52.0 A           | 75 hp/<br>77.0 A         | 150 hp/<br>144.0 A       | 350.0 hp/<br>336.0 A     | 500 hp/<br>472.0 A        |
| Short circuit rating with fuse, 3- and 4-pole types | Short circuit rating at 600 V AC | -                | 200 kA                   | 200 kA                     | 200 kA                   | 200 kA                   | 200 kA                   | 200 kA                    |
| Fuse  | Max. fuse rating                 | -                | 30 A                     | 60 A                       | 100 A                    | 200 A                    | 400 A                    | 600 A                     |
|   | Type of fuse                     | -                | J/CC                     | J                          | J                        | J                        | J                        | J                         |
| Min. electrical endurance                           | pf= 0.75...0.8                   | operation cycles | 6000                     | 6000                       | 6000                     | 6000                     | 1000                     | 1000                      |
| Terminal lug kits                                   | -                                | -                | Integral                 | Integral                   | OZXA-24                  | OZXA-200                 | OZXA-400                 | OZXA-800                  |
| Wire range  | -                                | -                | #18-8 AWG                | #14-4 AWG                  | #14-2/0 AWG              | #4-300 MCM               | #2-600 MCM               | <sup>(2)</sup> #2-600 MCM |
| Torque  | Wire tightening                  | -                | 17 lb. in                | 30/35 lb. in <sup>3)</sup> | 120 lb. in               | 200 lb. in               | 375 lb. in               | 500 lb. in                |
|   | Lug mounting                     | -                | N/A                      | N/A                        | 50 lb. in                | 72 lb. in                | 240 lb. in               | 480 lb. in                |

<sup>1)</sup> UL listed disconnects are also listed under CSA requirements.

<sup>2)</sup> Some fuse links limit these figures further. Starting current characteristics must be considered separately.

<sup>3)</sup> 30 lb. in with cable size #14-10, 35 lb. in with cable size #8-4.

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, non-fused  
NEMA 1 metal enclosure



EOT930N3PA1-PBA

### 3-pole UL 98, non-fused — NEMA 1 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |     |     | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|-----|-----|-------------|--------------|--------------------|------------------|-------------------------|
|                | HP                        | HP  | HP  |             |              |                    |                  |                         |
| 30             | 10                        | 20  | 30  | Pistol      | Black        | –                  | EOT930N3PA1-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT930N3PA1-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT930N3PA1-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3PA1-PR1  | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT930N3PA1-SBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT930N3PA1-SRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT930N3PA1-SB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3PA1-SR1  | 2.87 / 1.30             |
| 60             | 20                        | 40  | 40  | Pistol      | Black        | –                  | EOT960N3PA1-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT960N3PA1-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT960N3PA1-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3PA1-PR1  | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT960N3PA1-SBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT960N3PA1-SRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT960N3PA1-SB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3PA1-SR1  | 2.87 / 1.30             |
| 100            | 30                        | 50  | 50  | Pistol      | Black        | –                  | EOT9100N3PA1-PBA | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9100N3PA1-PRA | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9100N3PA1-PB1 | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3PA1-PR1 | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT9100N3PA1-SBA | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9100N3PA1-SRA | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9100N3PA1-SB1 | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3PA1-SR1 | 2.87 / 1.30             |
| 200            | 75                        | 150 | 200 | Pistol      | Black        | –                  | EOT9200N3PA1-PBA | 30.30 / 13.74           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9200N3PA1-PRA | 30.30 / 13.74           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9200N3PA1-PB1 | 30.37 / 13.77           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N3PA1-PR1 | 30.37 / 13.77           |
| 400            | 125                       | 250 | 350 | Pistol      | Black        | –                  | EOT9400N3PA1-PBA | 93.70 / 42.50           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9400N3PA1-PRA | 93.70 / 42.50           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9400N3PA1-PB1 | 93.77 / 42.53           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N3PA1-PR1 | 93.77 / 42.53           |
| 600            | 200                       | 450 | 500 | Pistol      | Black        | –                  | EOT9600N3PA1-PBA | 128.50 / 58.29          |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9600N3PA1-PRA | 128.50 / 58.29          |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9600N3PA1-PB1 | 128.57 / 58.32          |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N3PA1-PR1 | 93.77 / 42.53           |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, non-fused

NEMA 3R/12 metal enclosure



EOT930N3PA1-PRA

### 3-pole UL 98, non-fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |     |     | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|-----|-----|-------------|--------------|--------------------|------------------|-------------------------|
|                | HP                        | HP  | HP  |             |              |                    |                  |                         |
| 30             | 10                        | 20  | 30  | Pistol      | Black        | –                  | EOT930N3PA3-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT930N3PA3-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT930N3PA3-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3PA3-PR1  | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT930N3PA3-SBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT930N3PA3-SRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT930N3PA3-SB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3PA3-SR1  | 2.87 / 1.30             |
| 60             | 20                        | 40  | 40  | Pistol      | Black        | –                  | EOT960N3PA3-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT960N3PA3-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT960N3PA3-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3PA3-PR1  | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT960N3PA3-SBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT960N3PA3-SRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT960N3PA3-SB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3PA3-SR1  | 2.87 / 1.30             |
| 100            | 30                        | 50  | 50  | Pistol      | Black        | –                  | EOT9100N3PA3-PBA | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9100N3PA3-PRA | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9100N3PA3-PB1 | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3PA3-PR1 | 2.87 / 1.30             |
|                |                           |     |     | Selector    | Black        | –                  | EOT9100N3PA3-SBA | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9100N3PA3-SRA | 2.80 / 1.27             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9100N3PA3-SB1 | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3PA3-SR1 | 2.87 / 1.30             |
| 200            | 75                        | 150 | 200 | Pistol      | Black        | –                  | EOT9200N3PA3-PBA | 30.30 / 13.74           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9200N3PA3-PRA | 30.30 / 13.74           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9200N3PA3-PB1 | 30.37 / 13.77           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N3PA3-PR1 | 30.37 / 13.77           |
| 400            | 125                       | 250 | 350 | Pistol      | Black        | –                  | EOT9400N3PA3-PBA | 93.70 / 42.50           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9400N3PA3-PRA | 93.70 / 42.50           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9400N3PA3-PB1 | 93.77 / 42.53           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N3PA3-PR1 | 93.77 / 42.53           |
| 600            | 200                       | 450 | 500 | Pistol      | Black        | –                  | EOT9600N3PA3-PBA | 128.50 / 58.29          |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9600N3PA3-PRA | 128.50 / 58.29          |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9600N3PA3-PB1 | 93.77 / 42.53           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N3PA3-PR1 | 93.77 / 42.53           |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, non-fused

NEMA 4/4X stainless steel enclosure



EOT930N3PAX-PXA

### 3-pole UL 98, non-fused — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |     |     | Handle type | Handle color    | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|-----|-----|-------------|-----------------|--------------------|------------------|-------------------------|
|                | HP                        | HP  | HP  |             |                 |                    |                  |                         |
| 30             | 10                        | 20  | 30  | Pistol      | Black           | -                  | EOT930N3PAX-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow      | -                  | EOT930N3PAX-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Stainless steel | -                  | EOT930N3PAX-PXA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT930N3PAX-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT930N3PAX-PR1  | 2.87 / 1.30             |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT930N3PAX-PX1  | 2.87 / 1.30             |
| 60             | 20                        | 40  | 40  | Pistol      | Black           | -                  | EOT960N3PAX-PBA  | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow      | -                  | EOT960N3PAX-PRA  | 2.80 / 1.27             |
|                |                           |     |     |             | Stainless steel | -                  | EOT960N3PAX-PXA  | 2.80 / 1.27             |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT960N3PAX-PB1  | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT960N3PAX-PR1  | 2.87 / 1.30             |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT960N3PAX-PX1  | 2.87 / 1.30             |
| 100            | 30                        | 50  | 50  | Pistol      | Black           | -                  | EOT9100N3PAX-PBA | 2.80 / 1.27             |
|                |                           |     |     |             | Red/yellow      | -                  | EOT9100N3PAX-PRA | 2.80 / 1.27             |
|                |                           |     |     |             | Stainless steel | -                  | EOT9100N3PAX-PXA | 2.80 / 1.27             |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT9100N3PAX-PB1 | 2.87 / 1.30             |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT9100N3PAX-PR1 | 2.87 / 1.30             |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT9100N3PAX-PX1 | 2.87 / 1.30             |
| 200            | 75                        | 150 | 200 | Pistol      | Black           | -                  | EOT9200N3PAX-PBA | 31.70 / 14.38           |
|                |                           |     |     |             | Red/yellow      | -                  | EOT9200N3PAX-PRA | 31.70 / 14.38           |
|                |                           |     |     |             | Stainless steel | -                  | EOT9200N3PAX-PXA | 31.70 / 14.38           |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT9200N3PAX-PB1 | 31.77 / 14.41           |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT9200N3PAX-PR1 | 31.77 / 14.41           |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT9200N3PAX-PX1 | 31.77 / 14.41           |
| 400            | 125                       | 250 | 350 | Pistol      | Black           | -                  | EOT9400N3PAX-PBA | 123.30 / 55.93          |
|                |                           |     |     |             | Red/yellow      | -                  | EOT9400N3PAX-PRA | 123.30 / 55.93          |
|                |                           |     |     |             | Stainless steel | -                  | EOT9400N3PAX-PXA | 123.30 / 55.93          |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT9400N3PAX-PB1 | 123.37 / 55.96          |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT9400N3PAX-PR1 | 123.37 / 55.96          |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT9400N3PAX-PX1 | 123.37 / 55.96          |
| 600            | 200                       | 450 | 500 | Pistol      | Black           | -                  | EOT9600N3PAX-PBA | 130.50 / 59.19          |
|                |                           |     |     |             | Red/yellow      | -                  | EOT9600N3PAX-PRA | 130.50 / 59.19          |
|                |                           |     |     |             | Stainless steel | -                  | EOT9600N3PAX-PXA | 130.50 / 59.19          |
|                |                           |     |     |             | Black           | 1 NO + 1 NC        | EOT9600N3PAX-PB1 | 130.57 / 59.22          |
|                |                           |     |     |             | Red/yellow      | 1 NO + 1 NC        | EOT9600N3PAX-PR1 | 130.57 / 59.22          |
|                |                           |     |     |             | Stainless steel | 1 NO + 1 NC        | EOT9600N3PAX-PX1 | 130.57 / 59.22          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, non-fused  
 NEMA 4/4X plastic enclosure



EOT930N3PAP-SBA

### 3-pole UL 98, non-fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |     |     | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|-----|-----|-------------|--------------|--------------------|------------------|-------------------------|
|                | HP                        | HP  | HP  |             |              |                    |                  |                         |
| 30             | 10                        | 20  | 30  | Pistol      | Black        | –                  | EOT930N3PAP-PBA  | 2.01 / 0.91             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT930N3PAP-PRA  | 2.01 / 0.91             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT930N3PAP-PB1  | 2.08 / 0.94             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3PAP-PR1  | 2.08 / 0.94             |
| 60             | 20                        | 40  | 40  | Pistol      | Black        | –                  | EOT960N3PAP-PBA  | 2.01 / 0.91             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT960N3PAP-PRA  | 2.01 / 0.91             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT960N3PAP-PB1  | 2.08 / 0.94             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3PAP-PR1  | 2.08 / 0.94             |
| 100            | 30                        | 50  | 50  | Pistol      | Black        | –                  | EOT9100N3PAP-PBA | 2.70 / 1.22             |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9100N3PAP-PRA | 2.70 / 1.22             |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9100N3PAP-PB1 | 2.77 / 1.25             |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3PAP-PR1 | 2.77 / 1.25             |
| 200            | 75                        | 150 | 200 | Pistol      | Black        | –                  | EOT9200N3PAP-PBA | 20.00 / 9.07            |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9200N3PAP-PRA | 20.00 / 9.07            |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9200N3PAP-PB1 | 20.07 / 9.10            |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N3PAP-PR1 | 20.07 / 9.10            |
| 400            | 125                       | 250 | 350 | Pistol      | Black        | –                  | EOT9400N3PAP-PBA | 92.00 / 41.73           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9400N3PAP-PRA | 92.00 / 41.73           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9400N3PAP-PB1 | 92.07 / 41.76           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N3PAP-PR1 | 92.07 / 41.76           |
| 600            | 200                       | 450 | 500 | Pistol      | Black        | –                  | EOT9600N3PAP-PBA | 99.20 / 45.00           |
|                |                           |     |     |             | Red/yellow   | –                  | EOT9600N3PAP-PRA | 99.20 / 45.00           |
|                |                           |     |     |             | Black        | 1 NO + 1 NC        | EOT9600N3PAP-PB1 | 99.27 / 45.03           |
|                |                           |     |     |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N3PAP-PR1 | 99.27 / 45.03           |

## EOT930 ... EOT9600 Enclosed Rotary Switches

4-pole UL 98, non-fused  
NEMA 1 metal enclosure



EOT930N4PA1-SRA

### 4-pole UL 98, non-fused — NEMA 1 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N4PA1-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N4PA1-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N4PA1-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N4PA1-PR1  | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N4PA1-SBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N4PA1-SRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N4PA1-SB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N4PA1-SR1  | 2.87 / 1.30             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N4PA1-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N4PA1-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N4PA1-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N4PA1-PR1  | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N4PA1-SBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N4PA1-SRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N4PA1-SB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N4PA1-SR1  | 2.87 / 1.30             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N4PA1-PBA | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N4PA1-PRA | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N4PA1-PB1 | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N4PA1-PR1 | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N4PA1-SBA | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N4PA1-SRA | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N4PA1-SB1 | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N4PA1-SR1 | 2.87 / 1.30             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N4PA1-PBA | 30.30 / 13.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N4PA1-PRA | 30.30 / 13.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N4PA1-PB1 | 30.37 / 13.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N4PA1-PR1 | 30.37 / 13.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N4PA1-PBA | 93.70 / 42.50           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N4PA1-PRA | 93.70 / 42.50           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N4PA1-PB1 | 93.77 / 42.53           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N4PA1-PR1 | 93.77 / 42.53           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N4PA1-PBA | 128.50 / 58.29          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N4PA1-PRA | 128.50 / 58.29          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N4PA1-PB1 | 128.57 / 58.32          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N4PA1-PR1 | 128.57 / 58.32          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

4-pole UL 98, non-fused  
NEMA 3R/12 metal enclosure



EOT9100N4PA3-PRA

### 4-pole UL 98, non-fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N4PA3-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N4PA3-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N4PA3-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N4PA3-PR1  | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N4PA3-SBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N4PA3-SRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N4PA3-SB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N4PA3-SR1  | 2.87 / 1.30             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N4PA3-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N4PA3-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N4PA3-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N4PA3-PR1  | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N4PA3-SBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N4PA3-SRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N4PA3-SB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N4PA3-SR1  | 2.87 / 1.30             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N4PA3-PBA | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N4PA3-PRA | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N4PA3-PB1 | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N4PA3-PR1 | 2.87 / 1.30             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N4PA3-SBA | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N4PA3-SRA | 2.80 / 1.27             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N4PA3-SB1 | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N4PA3-SR1 | 2.87 / 1.30             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N4PA3-PBA | 30.30 / 13.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N4PA3-PRA | 30.30 / 13.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N4PA3-PB1 | 30.37 / 13.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N4PA3-PR1 | 30.37 / 13.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N4PA3-PBA | 93.70 / 42.50           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N4PA3-PRA | 93.70 / 42.50           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N4PA3-PB1 | 93.77 / 42.54           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N4PA3-PR1 | 93.77 / 42.54           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N4PA3-PBA | 128.50 / 58.29          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N4PA3-PRA | 128.50 / 58.29          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N4PA3-PB1 | 128.57 / 58.32          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N4PA3-PR1 | 128.57 / 58.32          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

4-pole UL 98, non-fused

NEMA 4/4X stainless steel enclosure



EOT960N4PAX-PR

### 4-pole UL 98, non-fused — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color    | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|-----------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |                 |                    |                  |                         |
|                | HP                        | HP       | HP       |             |                 |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black           | –                  | EOT930N4PAX-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT930N4PAX-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Stainless steel | –                  | EOT930N4PAX-PXA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT930N4PAX-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT930N4PAX-PR1  | 2.87 / 1.30             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT930N4PAX-PX1  | 2.87 / 1.30             |
| 60             | 20                        | 40       | 40       | Pistol      | Black           | –                  | EOT960N4PAX-PBA  | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT960N4PAX-PRA  | 2.80 / 1.27             |
|                |                           |          |          |             | Stainless steel | –                  | EOT960N4PAX-PXA  | 2.80 / 1.27             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT960N4PAX-PB1  | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT960N4PAX-PR1  | 2.87 / 1.30             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT960N4PAX-PX1  | 2.87 / 1.30             |
| 100            | 30                        | 50       | 50       | Pistol      | Black           | –                  | EOT9100N4PAX-PBA | 2.80 / 1.27             |
|                |                           |          |          |             | Red/yellow      | –                  | EOT9100N4PAX-PRA | 2.80 / 1.27             |
|                |                           |          |          |             | Stainless steel | –                  | EOT9100N4PAX-PXA | 2.80 / 1.27             |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT9100N4PAX-PB1 | 2.87 / 1.30             |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT9100N4PAX-PR1 | 2.87 / 1.30             |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT9100N4PAX-PX1 | 2.87 / 1.30             |
| 200            | 75                        | 150      | 200      | Pistol      | Black           | –                  | EOT9200N4PAX-PBA | 31.70 / 14.38           |
|                |                           |          |          |             | Red/yellow      | –                  | EOT9200N4PAX-PRA | 31.70 / 14.38           |
|                |                           |          |          |             | Stainless steel | –                  | EOT9200N4PAX-PXA | 31.70 / 14.38           |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT9200N4PAX-PB1 | 31.77 / 14.41           |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT9200N4PAX-PR1 | 31.77 / 14.41           |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT9200N4PAX-PX1 | 31.77 / 14.41           |
| 400            | 125                       | 250      | 350      | Pistol      | Black           | –                  | EOT9400N4PAX-PBA | 123.30 / 55.93          |
|                |                           |          |          |             | Red/yellow      | –                  | EOT9400N4PAX-PRA | 123.30 / 55.93          |
|                |                           |          |          |             | Stainless steel | –                  | EOT9400N4PAX-PXA | 123.30 / 55.93          |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT9400N4PAX-PB1 | 123.37 / 55.96          |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT9400N4PAX-PR1 | 123.37 / 55.96          |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT9400N4PAX-PX1 | 123.30 / 55.93          |
| 600            | 200                       | 450      | 500      | Pistol      | Black           | –                  | EOT9600N4PAX-PBA | 130.50 / 59.19          |
|                |                           |          |          |             | Red/yellow      | –                  | EOT9600N4PAX-PRA | 130.50 / 59.19          |
|                |                           |          |          |             | Stainless steel | –                  | EOT9600N4PAX-PXA | 130.50 / 59.19          |
|                |                           |          |          |             | Black           | 1 NO + 1 NC        | EOT9600N4PAX-PB1 | 130.57 / 59.22          |
|                |                           |          |          |             | Red/yellow      | 1 NO + 1 NC        | EOT9600N4PAX-PR1 | 130.57 / 59.22          |
|                |                           |          |          |             | Stainless steel | 1 NO + 1 NC        | EOT9600N4PAX-PX1 | 130.57 / 59.22          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

4-pole UL 98, non-fused  
NEMA 4/4X plastic enclosure



EOT9200N4PAP-PBA

### 4-pole UL 98, non-fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N4PAP-PBA  | 2.01 / 0.91             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N4PAP-PRA  | 2.01 / 0.91             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N4PAP-PB1  | 2.08 / 0.94             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N4PAP-PR1  | 2.08 / 0.94             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N4PAP-PBA  | 2.01 / 0.91             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N4PAP-PRA  | 2.01 / 0.91             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N4PAP-PB1  | 2.08 / 0.94             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N4PAP-PR1  | 2.08 / 0.94             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N4PAP-PBA | 2.70 / 1.22             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N4PAP-PRA | 2.70 / 1.22             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N4PAP-PB1 | 2.77 / 1.25             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N4PAP-PR1 | 2.77 / 1.25             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N4PAP-PBA | 20.00 / 9.07            |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N4PAP-PRA | 20.00 / 9.07            |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N4PAP-PB1 | 20.07 / 9.10            |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N4PAP-PR1 | 20.07 / 9.10            |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N4PAP-PBA | 92.00 / 41.73           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N4PAP-PRA | 92.00 / 41.73           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N4PAP-PB1 | 92.07 / 41.76           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N4PAP-PR1 | 92.07 / 41.76           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N4PAP-PBA | 99.20 / 45.00           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N4PAP-PRA | 99.20 / 45.00           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N4PAP-PB1 | 99.27 / 45.03           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N4PAP-PR1 | 99.27 / 45.03           |

## EOT930 ... EOT9600 Enclosed Rotary Switches

6-pole UL 98, non-fused  
NEMA 1 metal enclosure



EOT930N6PA1-PBA

### 6-pole UL 98, non-fused — NEMA 1 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N6PA1-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PA1-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PA1-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PA1-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N6PA1-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PA1-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PA1-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PA1-SR1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N6PA1-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PA1-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PA1-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PA1-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N6PA1-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PA1-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PA1-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PA1-SR1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N6PA1-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PA1-PRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PA1-PB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PA1-PR1 | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N6PA1-SBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PA1-SRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PA1-SB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PA1-SR1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N6PA1-PBA | 32.50 / 14.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N6PA1-PRA | 32.50 / 14.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N6PA1-PB1 | 32.57 / 14.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N6PA1-PR1 | 32.57 / 14.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N6PA1-PBA | 99.00 / 44.91           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N6PA1-PRA | 99.00 / 44.91           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N6PA1-PB1 | 99.07 / 44.94           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N6PA1-PR1 | 99.07 / 44.94           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N6PA1-PBA | 164.00 / 74.39          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N6PA1-PRA | 164.00 / 74.39          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N6PA1-PB1 | 164.07 / 74.42          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N6PA1-PR1 | 164.07 / 74.42          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

6-pole UL 98, non-fused  
NEMA 3R/12 metal enclosure



EOT9600N6PA3-PBA

### 6-pole UL 98, non-fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N6PA3-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PA3-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PA3-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PA3-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N6PA3-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PA3-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PA3-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PA3-SR1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N6PA3-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PA3-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PA3-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PA3-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N6PA3-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PA3-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PA3-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PA3-SR1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N6PA3-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PA3-PRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PA3-PB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PA3-PR1 | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N6PA3-SBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PA3-SRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PA3-SB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PA3-SR1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N6PA3-PBA | 32.50 / 14.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N6PA3-PRA | 32.50 / 14.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N6PA3-PB1 | 32.57 / 14.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N6PA3-PR1 | 32.57 / 14.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N6PA3-PBA | 99.00 / 44.91           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N6PA3-PRA | 99.00 / 44.91           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N6PA3-PB1 | 99.07 / 44.94           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N6PA3-PR1 | 99.07 / 44.94           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N6PA3-PBA | 164.00 / 74.39          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N6PA3-PRA | 164.00 / 74.39          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N6PA3-PB1 | 164.07 / 74.42          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N6PA3-PR1 | 164.07 / 74.42          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

6-pole UL 98, non-fused

NEMA 4/4X stainless steel enclosure



EOT9200N6PAX-PRA

### 6-pole UL 98, non-fused — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N6PAX-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PAX-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PAX-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PAX-PR1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N6PAX-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PAX-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PAX-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PAX-PR1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N6PAX-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PAX-PRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PAX-PB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PAX-PR1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N6PAX-PBA | 33.90 / 15.38           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N6PAX-PRA | 33.90 / 15.38           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N6PAX-PB1 | 33.97 / 15.41           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N6PAX-PR1 | 33.97 / 15.41           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N6PAX-PBA | 128.60 / 58.33          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N6PAX-PRA | 128.60 / 58.33          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N6PAX-PB1 | 128.67 / 58.36          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N6PAX-PR1 | 128.67 / 58.36          |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N6PAX-PBA | 149.60 / 67.86          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N6PAX-PRA | 149.60 / 67.86          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N6PAX-PB1 | 149.67 / 67.89          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N6PAX-PR1 | 149.67 / 67.89          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

6-pole UL 98, non-fused  
NEMA 4/4X plastic enclosure



EOT930N6PAP-PRA

### 6-pole UL 98, non-fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N6PAP-PBA  | 3.61 / 1.64             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N6PAP-PRA  | 3.61 / 1.64             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N6PAP-PB1  | 3.68 / 1.67             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N6PAP-PR1  | 3.68 / 1.67             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N6PAP-PBA  | 3.61 / 1.64             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N6PAP-PRA  | 3.61 / 1.64             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N6PAP-PB1  | 3.68 / 1.67             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N6PAP-PR1  | 3.68 / 1.67             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N6PAP-PBA | 6.02 / 2.73             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N6PAP-PRA | 6.02 / 2.73             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N6PAP-PB1 | 6.09 / 2.76             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N6PAP-PR1 | 6.09 / 2.76             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N6PAP-PBA | 22.20 / 10.07           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N6PAP-PRA | 22.20 / 10.07           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N6PAP-PB1 | 22.27 / 10.10           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N6PAP-PR1 | 22.27 / 10.10           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N6PAP-PBA | 97.30 / 44.13           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N6PAP-PRA | 97.30 / 44.13           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N6PAP-PB1 | 97.37 / 44.16           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N6PAP-PR1 | 97.37 / 44.16           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N6PAP-PBA | 118.30 / 53.66          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N6PAP-PRA | 118.30 / 53.66          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N6PAP-PB1 | 118.37 / 53.69          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N6PAP-PR1 | 118.37 / 53.69          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, changeover non-fused  
NEMA 1 metal enclosure



EOT960N3CA1-SRA

### 3-pole UL 98, changeover — NEMA 1 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N3CA1-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N3CA1-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CA1-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3CA1-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N3CA1-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N3CA1-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CA1-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3CA1-SR1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N3CA1-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N3CA1-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CA1-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3CA1-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N3CA1-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N3CA1-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CA1-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3CA1-SR1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N3CA1-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N3CA1-PRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CA1-PB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3CA1-PR1 | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N3CA1-SBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N3CA1-SRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CA1-SB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3CA1-SR1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N3CA1-PBA | 32.50 / 14.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N3CA1-PRA | 32.50 / 14.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N3CA1-PB1 | 32.57 / 14.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N3CA1-PR1 | 32.57 / 14.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N3CA1-PBA | 99.00 / 44.91           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N3CA1-PRA | 99.00 / 44.91           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N3CA1-PB1 | 99.07 / 44.94           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N3CA1-PR1 | 99.07 / 44.94           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N3CA1-PBA | 164.00 / 74.39          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N3CA1-PRA | 164.00 / 74.39          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N3CA1-PB1 | 164.07 / 74.42          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N3CA1-PR1 | 164.07 / 74.42          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, changeover non-fused  
NEMA 3R/12 metal enclosure



EOT960N3CA3-PBA

### 3-pole UL 98, changeover — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N3CA3-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N3CA3-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CA3-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3CA3-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT930N3CA3-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT930N3CA3-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CA3-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT930N3CA3-SR1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N3CA3-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N3CA3-PRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CA3-PB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3CA3-PR1  | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT960N3CA3-SBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT960N3CA3-SRA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CA3-SB1  | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT960N3CA3-SR1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N3CA3-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N3CA3-PRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CA3-PB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3CA3-PR1 | 4.47 / 2.03             |
|                |                           |          |          | Selector    | Black        | –                  | EOT9100N3CA3-SBA | 4.40 / 2.00             |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9100N3CA3-SRA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CA3-SB1 | 4.47 / 2.03             |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9100N3CA3-SR1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N3CA3-PBA | 32.50 / 14.74           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9200N3CA3-PRA | 32.50 / 14.74           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N3CA3-PB1 | 32.57 / 14.77           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9200N3CA3-PR1 | 32.57 / 14.77           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N3CA3-PBA | 99.00 / 44.91           |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9400N3CA3-PRA | 99.00 / 44.91           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N3CA3-PB1 | 99.07 / 44.94           |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9400N3CA3-PR1 | 99.07 / 44.94           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N3CA3-PBA | 164.00 / 74.39          |
|                |                           |          |          |             | Red/yellow   | –                  | EOT9600N3CA3-PRA | 164.00 / 74.39          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N3CA3-PB1 | 164.07 / 74.42          |
|                |                           |          |          |             | Red/yellow   | 1 NO + 1 NC        | EOT9600N3CA3-PR1 | 164.07 / 74.42          |

## EOT930 ... EOT9600 Enclosed Rotary Switches

3-pole UL 98, changeover non-fused

NEMA 4/4X stainless steel and NEMA 4/4X plastic enclosures



EOT9600N3CAX-PBA

### 3-pole UL 98, changeover — NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N3CAX-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CAX-PB1  | 4.47 / 2.03             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N3CAX-PBA  | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CAX-PB1  | 4.47 / 2.03             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N3CAX-PBA | 4.40 / 2.00             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CAX-PB1 | 4.47 / 2.03             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N3CAX-PBA | 33.90 / 15.38           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N3CAX-PB1 | 33.97 / 15.41           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N3CAX-PBA | 128.60 / 58.33          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N3CAX-PB1 | 128.67 / 58.36          |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N3CAX-PBA | 149.60 / 67.86          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N3CAX-PB1 | 149.67 / 67.89          |



EOT9100N3CAP-PRA

### 3-pole UL 98, changeover — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |             |              |                    |                  |                         |
| 30             | 10                        | 20       | 30       | Pistol      | Black        | –                  | EOT930N3CAP-PBA  | 3.61 / 1.64             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT930N3CAP-PB1  | 3.68 / 1.67             |
| 60             | 20                        | 40       | 40       | Pistol      | Black        | –                  | EOT960N3CAP-PBA  | 3.61 / 1.64             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT960N3CAP-PB1  | 3.68 / 1.67             |
| 100            | 30                        | 50       | 50       | Pistol      | Black        | –                  | EOT9100N3CAP-PBA | 6.02 / 2.73             |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9100N3CAP-PB1 | 6.09 / 2.76             |
| 200            | 75                        | 150      | 200      | Pistol      | Black        | –                  | EOT9200N3CAP-PBA | 22.20 / 10.07           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9200N3CAP-PB1 | 22.27 / 10.10           |
| 400            | 125                       | 250      | 350      | Pistol      | Black        | –                  | EOT9400N3CAP-PBA | 97.30 / 44.13           |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9400N3CAP-PB1 | 97.37 / 44.16           |
| 600            | 200                       | 450      | 500      | Pistol      | Black        | –                  | EOT9600N3CAP-PBA | 118.30 / 53.66          |
|                |                           |          |          |             | Black        | 1 NO + 1 NC        | EOT9600N3CAP-PB1 | 118.37 / 53.69          |

## EOS930 ... EOS9600 Enclosed Rotary Switches

3-pole UL 98, fused  
NEMA 1 metal enclosure



EOS9100J3PA1-SRA

### 3-pole UL 98, fused — NEMA 1 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Fuse class | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|------------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |            |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |            |             |              |                    |                  |                         |
| 30             | 7.5                       | 15       | 20       | CC-class   | Pistol      | Black        | –                  | EOS930C3PA1-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930C3PA1-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930C3PA1-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930C3PA1-PR1  | 3.57 / 1.62             |
|                | 7.5                       | 15       | 20       | J-class    | Pistol      | Black        | –                  | EOS930J3PA1-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930J3PA1-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930J3PA1-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930J3PA1-PR1  | 3.57 / 1.62             |
| 60             | 15                        | 30       | 50       | J-class    | Pistol      | Black        | –                  | EOS960J3PA1-PBA  | 5.50 / 2.49             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS960J3PA1-PRA  | 5.50 / 2.49             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS960J3PA1-PB1  | 5.57 / 2.52             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS960J3PA1-PR1  | 5.57 / 2.52             |
| 100            | 30                        | 60       | 75       | J-class    | Pistol      | Black        | –                  | EOS9100J3PA1-PBA | 8.50 / 3.86             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9100J3PA1-PRA | 8.50 / 3.86             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9100J3PA1-PB1 | 8.57 / 3.89             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9100J3PA1-PR1 | 8.57 / 3.89             |
| 200            | 60                        | 125      | 150      | J-class    | Pistol      | Black        | –                  | EOS9200J3PA1-PBA | 38.20 / 17.33           |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9200J3PA1-PRA | 38.20 / 17.33           |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9200J3PA1-PB1 | 38.27 / 17.36           |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9200J3PA1-PR1 | 38.27 / 17.36           |
| 400            | 125                       | 250      | 350      | J-class    | Pistol      | Black        | –                  | EOS9400J3PA1-PBA | 101.00 / 45.81          |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9400J3PA1-PRA | 101.00 / 45.81          |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9400J3PA1-PB1 | 101.07 / 45.84          |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9400J3PA1-PR1 | 101.07 / 45.84          |
| 600            | 200                       | 400      | 500      | J-class    | Pistol      | Black        | –                  | EOS9600J3PA1-PBA | 126.20 / 57.24          |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9600J3PA1-PRA | 126.20 / 57.24          |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9600J3PA1-PB1 | 126.27 / 57.27          |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9600J3PA1-PR1 | 126.27 / 57.27          |

## EOS930 ... EOS9600 Enclosed Rotary Switches

3-pole UL 98, fused

NEMA 3R/12 metal enclosure



EOS9100J3PA3-PBA

### 3-pole UL 98, fused — NEMA 3R/12 metal enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Fuse class | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|------------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |            |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |            |             |              |                    |                  |                         |
| 30             | 7.5                       | 15       | 20       | CC-class   | Pistol      | Black        | –                  | EOS930C3PA3-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930C3PA3-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930C3PA3-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930C3PA3-PR1  | 3.57 / 1.62             |
|                | 7.5                       | 15       | 20       | J-class    | Pistol      | Black        | –                  | EOS930J3PA3-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930J3PA3-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930J3PA3-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930J3PA3-PR1  | 3.57 / 1.62             |
| 60             | 15                        | 30       | 50       | J-class    | Pistol      | Black        | –                  | EOS960J3PA3-PBA  | 5.25 / 2.38             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS960J3PA3-PRA  | 5.25 / 2.38             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS960J3PA3-PB1  | 5.32 / 2.41             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS960J3PA3-PR1  | 5.32 / 2.41             |
| 100            | 30                        | 60       | 75       | J-class    | Pistol      | Black        | –                  | EOS9100J3PA3-PBA | 8.25 / 3.74             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9100J3PA3-PRA | 8.25 / 3.74             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9100J3PA3-PB1 | 8.32 / 3.77             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9100J3PA3-PR1 | 8.32 / 3.77             |
| 200            | 60                        | 125      | 150      | J-class    | Pistol      | Black        | –                  | EOS9200J3PA3-PBA | 38.20 / 17.33           |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9200J3PA3-PRA | 38.20 / 17.33           |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9200J3PA3-PB1 | 38.27 / 17.36           |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9200J3PA3-PR1 | 38.27 / 17.36           |
| 400            | 125                       | 250      | 350      | J-class    | Pistol      | Black        | –                  | EOS9400J3PA3-PBA | 101.00 / 45.81          |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9400J3PA3-PRA | 101.00 / 45.81          |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9400J3PA3-PB1 | 101.07 / 45.84          |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9400J3PA3-PR1 | 101.07 / 45.84          |
| 600            | 200                       | 400      | 500      | J-class    | Pistol      | Black        | –                  | EOS9600J3PA3-PBA | 126.20 / 57.24          |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9600J3PA3-PRA | 126.20 / 57.24          |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9600J3PA3-PB1 | 126.27 / 57.27          |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9600J3PA3-PR1 | 126.27 / 57.27          |

## EOS930 ... EOS9600 Enclosed Rotary Switches

3-pole UL 98, fused  
NEMA 4/4X stainless steel enclosure



EOS9100J3PAX-PXA

### 3-pole UL 98, fused —NEMA 4/4X stainless steel enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Fuse class | Handle type | Handle color    | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|------------|-------------|-----------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |            |             |                 |                    |                  |                         |
|                | HP                        | HP       | HP       |            |             |                 |                    |                  |                         |
| 30             | 7.5                       | 15       | 20       | CC-class   | Pistol      | Black           | –                  | EOS930C3PAX-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS930C3PAX-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS930C3PAX-PXA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS930C3PAX-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS930C3PAX-PR1  | 3.57 / 1.62             |
|                | 7.5                       | 15       | 20       | J-class    | Pistol      | Black           | –                  | EOS930J3PAX-PBA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS930J3PAX-PRA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS930J3PAX-PXA  | 3.50 / 1.59             |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS930J3PAX-PB1  | 3.57 / 1.62             |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS930J3PAX-PR1  | 3.57 / 1.62             |
| 60             | 15                        | 30       | 50       | J-class    | Pistol      | Black           | –                  | EOS960J3PAX-PBA  | 5.00 / 2.27             |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS960J3PAX-PRA  | 5.00 / 2.27             |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS960J3PAX-PXA  | 5.00 / 2.27             |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS960J3PAX-PB1  | 5.07 / 2.30             |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS960J3PAX-PR1  | 5.07 / 2.30             |
| 100            | 30                        | 60       | 75       | J-class    | Pistol      | Black           | –                  | EOS9100J3PAX-PBA | 8.25 / 3.74             |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS9100J3PAX-PRA | 8.25 / 3.74             |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS9100J3PAX-PXA | 8.25 / 3.74             |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS9100J3PAX-PB1 | 8.32 / 3.77             |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS9100J3PAX-PR1 | 8.32 / 3.77             |
| 200            | 60                        | 125      | 150      | J-class    | Pistol      | Black           | –                  | EOS9200J3PAX-PBA | 39.60 / 17.96           |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS9200J3PAX-PRA | 39.60 / 17.96           |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS9200J3PAX-PXA | 39.60 / 17.96           |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS9200J3PAX-PB1 | 39.67 / 17.99           |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS9200J3PAX-PR1 | 39.67 / 17.99           |
| 400            | 125                       | 250      | 350      | J-class    | Pistol      | Black           | –                  | EOS9400J3PAX-PBA | 130.60 / 59.24          |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS9400J3PAX-PRA | 130.60 / 59.24          |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS9400J3PAX-PXA | 130.60 / 59.24          |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS9400J3PAX-PB1 | 130.67 / 59.27          |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS9400J3PAX-PR1 | 130.67 / 59.27          |
| 600            | 200                       | 400      | 500      | J-class    | Pistol      | Black           | –                  | EOS9600J3PAX-PBA | 143.60 / 65.14          |
|                |                           |          |          |            |             | Red/yellow      | –                  | EOS9600J3PAX-PRA | 143.60 / 65.14          |
|                |                           |          |          |            |             | Stainless steel | –                  | EOS9600J3PAX-PXA | 143.60 / 65.14          |
|                |                           |          |          |            |             | Black           | 1 NO + 1 NC        | EOS9600J3PAX-PB1 | 143.67 / 65.17          |
|                |                           |          |          |            |             | Red/yellow      | 1 NO + 1 NC        | EOS9600J3PAX-PR1 | 143.67 / 65.17          |
|                |                           |          |          |            |             | Stainless steel | 1 NO + 1 NC        | EOS9600J3PAX-PX1 | 143.67 / 65.17          |

## EOS930 ... EOS9600 Enclosed Rotary Switches

3-pole UL 98, fused  
NEMA 4/4X plastic enclosure



EOS930J3PAP-PBA

### 3-pole UL 98, fused — NEMA 4/4X plastic enclosure

| Amp rating (A) | Horsepower rating 3-phase |          |          | Fuse class | Handle type | Handle color | Auxiliary contacts | Order number     | Weight / unit (lb / kg) |
|----------------|---------------------------|----------|----------|------------|-------------|--------------|--------------------|------------------|-------------------------|
|                | 240 V AC                  | 480 V AC | 600 V AC |            |             |              |                    |                  |                         |
|                | HP                        | HP       | HP       |            |             |              |                    |                  |                         |
| 30             | 7.5                       | 15       | 20       | CC-class   | Pistol      | Black        | –                  | EOS930C3PAP-PBA  | 3.30 / 1.50             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930C3PAP-PRA  | 3.30 / 1.50             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930C3PAP-PB1  | 3.37 / 1.53             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930C3PAP-PR1  | 3.37 / 1.53             |
|                | 7.5                       | 15       | 20       | J-class    | Pistol      | Black        | –                  | EOS930J3PAP-PBA  | 3.30 / 1.50             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS930J3PAP-PRA  | 3.30 / 1.50             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS930J3PAP-PB1  | 3.37 / 1.53             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS930J3PAP-PR1  | 3.37 / 1.53             |
| 60             | 15                        | 30       | 50       | J-class    | Pistol      | Black        | –                  | EOS960J3PAP-PBA  | 6.62 / 3.00             |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS960J3PAP-PRA  | 6.62 / 3.00             |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS960J3PAP-PB1  | 6.69 / 3.03             |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS960J3PAP-PR1  | 6.69 / 3.03             |
| 100            | 30                        | 60       | 75       | J-class    | Pistol      | Black        | –                  | EOS9100J3PAP-PBA | 10.70 / 4.85            |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9100J3PAP-PRA | 10.70 / 4.85            |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9100J3PAP-PB1 | 10.77 / 4.88            |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9100J3PAP-PR1 | 10.77 / 4.88            |
| 200            | 60                        | 125      | 150      | J-class    | Pistol      | Black        | –                  | EOS9200J3PAP-PBA | 20.33 / 9.22            |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9200J3PAP-PRA | 20.33 / 9.22            |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9200J3PAP-PB1 | 20.40 9.25              |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9200J3PAP-PR1 | 20.40 9.25              |
| 400            | 125                       | 250      | 350      | J-class    | Pistol      | Black        | –                  | EOS9400J3PAP-PBA | 99.30 / 45.04           |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9400J3PAP-PRA | 99.30 / 45.04           |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9400J3PAP-PB1 | 99.37 / 45.07           |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9400J3PAP-PR1 | 99.37 / 45.07           |
| 600            | 200                       | 400      | 500      | J-class    | Pistol      | Black        | –                  | EOS9600J3PAP-PBA | 112.30 / 50.94          |
|                |                           |          |          |            |             | Red/yellow   | –                  | EOS9600J3PAP-PRA | 112.30 / 50.94          |
|                |                           |          |          |            |             | Black        | 1 NO + 1 NC        | EOS9600J3PAP-PB1 | 112.37 / 50.97          |
|                |                           |          |          |            |             | Red/yellow   | 1 NO + 1 NC        | EOS9600J3PAP-PR1 | 112.37 / 50.97          |

## Accessories for fusible/non-fusible disconnect switches 20–200 A

Ordering information for pistol handles for UL 508 and UL 98 enclosures



OHB45J6

### Pistol handle for front-operated fusible switches

Padlockable with 3 padlocks in the OFF position, door interlock in the ON position. Screw fixing from the back side of the handle ensures double insulation.



OHY65J6



OHG80J6



OHM65L6



OHB65J6T

### For shaft diameter 6 mm 20–200 A

| Color  | Handle length [mm] | Type     | Order number    | Weight/unit [kg] |
|--|--------------------|----------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/ON-OFF, gray: I-O</b>           |                    |          |                 |                  |
| Black  | 45                 | OHB45J6  | 1SCA022380R8770 | 0.13             |
| Red-yellow   | 45                 | OHY45J6  | 1SCA022380R8930 | 0.13             |
| Grey   | 45                 | OHG45J6  | 1SCA022380R8850 | 0.13             |
| Black  | 65                 | OHB65J6  | 1SCA022380R9660 | 0.13             |
| Red-yellow   | 65                 | OHY65J6  | 1SCA022380R9820 | 0.13             |
| Gray   | 65                 | OHG65J6  | 1SCA022380R9740 | 0.13             |
| Black  | 80                 | OHB80J6  | 1SCA022381R0240 | 0.14             |
| Red-yellow   | 80                 | OHY80J6  | 1SCA022381R0410 | 0.14             |
| Grey   | 80                 | OHG80J6  | 1SCA022381R0320 | 0.14             |
| <b>NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/ON-OFF</b>                  |                    |          |                 |                  |
| Black  | 45                 | OHB45L6  | 1SCA109848R1001 | 0.14             |
| Red-yellow   | 45                 | OHY45L6  | 1SCA109849R1001 | 0.14             |
| Metal  | 45                 | OHM45L6  | 1SCA111295R1001 | 0.7              |
| Black  | 65                 | OHB65L6  | 1SCA022580R9650 | 0.14             |
| Red-yellow   | 65                 | OHY65L6  | 1SCA109850R1001 | 0.14             |
| Metal  | 65                 | OHM65L6  | 1SCA022739R1070 | 0.8              |
| Black  | 80                 | OHB80L6  | 1SCA022577R7010 | 0.16             |
| Red-yellow   | 80                 | OHY80L6  | 1SCA022577R7190 | 0.16             |
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF, gray: Test/I-O</b> |                    |          |                 |                  |
| Black  | 45                 | OHB45J6T | 1SCA109870R1001 | 0.13             |
| Black  | 65                 | OHB65J6T | 1SCA022399R8110 | 0.13             |
| Red-yellow   | 65                 | OHY65J6T | 1SCA022456R9540 | 0.13             |
| Gray   | 65                 | OHG65J6T | 1SCA022456R9620 | 0.13             |
| Black  | 80                 | OHB80J6T | 1SCA022399R8290 | 0.14             |

Door interlocking in the ON position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection. Handles padlockable in all positions are available on request.

## Accessories for fusible/non-fusible disconnect switches 400–600 A

Ordering information for pistol handles for UL 98 enclosures



OHB95J12



OHY125J12



OHG145J12



OHM125L12



OHM175L12



OHY95J12T



OHB125J12T



OHB175J12T

### Pistol handle for front-operated fusible/non-fusible switches

Padlockable with 3 padlocks in the OFF position, door interlock in the ON position. Screw fixing from the back side of the handle ensures double insulation.

#### For shaft diameter 12 mm 400–600 A

| Color  | Handle length [mm] | Type       | Order number    | Weight/unit [kg] |
|--|--------------------|------------|-----------------|------------------|
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: I-O/On-OFF, gray: I-O</b> |                    |            |                 |                  |
| Black  | 95                 | OHB95J12   | 1SCA022381R0830 | 0.15             |
| Red-yellow   | 95                 | OHY95J12   | 1SCA022381R1050 | 0.15             |
| Gray   | 95                 | OHG95J12   | 1SCA022381R0910 | 0.15             |
| Black  | 125                | OHB125J12  | 1SCA022381R1560 | 0.16             |
| Red-yellow   | 125                | OHY125J12  | 1SCA022381R1720 | 0.16             |
| Gray   | 125                | OHG125J12  | 1SCA022381R1640 | 0.16             |
| Black  | 145                | OHB145J12  | 1SCA022381R2110 | 0.17             |
| Red-yellow   | 145                | OHY145J12  | 1SCA022381R2370 | 0.17             |
| Gray   | 145                | OHG145J12  | 1SCA022381R2290 | 0.17             |
| Black  | 175                | OHB175J12  | 1SCA022381R2450 | 0.20             |
| Red-yellow   | 175                | OHY175J12  | 1SCA022381R2700 | 0.20             |
| Gray   | 175                | OHG175J12  | 1SCA022381R2610 | 0.20             |
| <b>NEMA Type 4/4X (IP66), black, red-yellow and metal: I-O/On-OFF</b>        |                    |            |                 |                  |
| Black  | 125                | OHB125L12  | 1SCA022577R7350 | 0.17             |
| Metal  | 125                | OHM125L12  | 1SCA022739R1150 | 0.80             |
| Black  | 145                | OHB145L12  | 1SCA022577R7510 | 0.18             |
| Red-yellow   | 145                | OHY145L12  | 1SCA022577R7600 | 0.18             |
| Black  | 175                | OHB175L12  | 1SCA022577R7780 | 0.20             |
| Red-yellow   | 175                | OHY175L12  | 1SCA022577R7860 | 0.20             |
| Metal  | 175                | OHM175L12  | 1SCA022739R1230 | 0.90             |
| Black  | 274                | OHB274L12  | 1SCA120238R1001 | 0.24             |
| Black  | 330                | OHB330L12  | 1SCA120256R1001 | 0.60             |
| <b>NEMA Type 1/3R/12 (IP65), black and red-yellow: Test/I-O/ON-OFF</b>       |                    |            |                 |                  |
| Black  | 95                 | OHB95J12T  | 1SCA022736R1750 | 0.15             |
| Red-yellow   | 95                 | OHY95J12T  | 1SCA022736R1910 | 0.15             |
| Black  | 125                | OHB125J12T | 1SCA022652R2220 | 0.16             |
| Red-yellow   | 125                | OHY125J12T | 1SCA022652R2310 | 0.16             |
| Black  | 145                | OHB145J12T | 1SCA022652R2570 | 0.17             |
| Red-yellow   | 145                | OHY145J12T | 1SCA022652R2650 | 0.17             |
| Black  | 175                | OHB175J12T | 1SCA022708R0740 | 0.20             |
| Black  | 274                | OHB274J12T | 1SCA120250R1001 | 0.42             |
| Black  | 330                | OHB330J12T | 1SCA120252R1001 | 0.60             |

Door interlocking in the ON position means that the door cannot be opened when the handle is in the ON position. This can be defeated to allow authorized personnel access for inspection. Handles padlockable in all positions are available on request.

## Accessories for non-fusible disconnect switches 20–100 A

Ordering information for selector handles for UL 508 and UL 98 enclosures



OHBS3AH



OHYS3AH



OHBS2AJ



OHYS2AJ



OHBS2AJ\_EH

### Selector handles for base and DIN-rail mounted switches

For shaft diameter 6 mm, door drilling 22.5 mm. Indication I-O and ON-OFF.

### Selector handles for base and DIN-rail mounted switches

| Suitable for switches  | Color      | Type     | Order number    | Weight/<br>unit<br>kg |
|--|------------|----------|-----------------|-----------------------|
| <b>IP54 handles, NEMA 1</b>  |            |          |                 |                       |
| 20–100 A   | Black      | OHBS1AH  | 1SCA102680R1001 | 0.05                  |
|  | Red-yellow | OHYS1AH  | 1SCA105290R1001 | 0.05                  |
| <b>Door interlock in ON-position</b>   |            |          |                 |                       |
| 20–100 A   | Black      | OHBS1AH1 | 1SCA105210R1001 | 0.05                  |
|  | Red-yellow | OHYS1AH1 | 1SCA105291R1001 | 0.05                  |
| <b>Padlockable with one padlock with bail diameter 5...6.3 mm</b>  |            |          |                 |                       |
| 20–100 A   | Black      | OHBS3AH  | 1SCA105234R1001 | 0.05                  |
|  | Red-yellow | OHYS3AH  | 1SCA105325R1001 | 0.05                  |
| <b>Padlockable with one padlock with bail diameter 5...6.3 mm, door interlock in ON position</b>   |            |          |                 |                       |
| 20–100 A   | Black      | OHBS3AH1 | 1SCA105235R1001 | 0.05                  |
|  | Red-yellow | OHYS3AH1 | 1SCA105326R1001 | 0.05                  |
| <b>IP65 handles, NEMA 1, 3R, 12</b>  |            |          |                 |                       |
| Padlockable with max. 3 padlocks with bail diameter 5...8 mm, defeatable door interlock in ON-position, door interlocking in OFF position when padlocked |            |          |                 |                       |
| 20–100 A   | Black      | OHBS2AJ  | 1SCA105213R1001 | 0.07                  |
|  | Red-yellow | OHYS2AJ  | 1SCA105296R1001 | 0.07                  |
| <b>Padlockable with max. 3 padlocks with bail diameter 5...8 mm, door interlock in ON position</b>   |            |          |                 |                       |
| 20–100 A   | Black      | OHBS2AJ1 | 1SCA105215R1001 | 0.07                  |
|  | Red-yellow | OHYS2AJ1 | 1SCA105297R1001 | 0.07                  |

### Selector handle with metal hasp

|  |       |            |                 |      |
|--|-------|------------|-----------------|------|
| <b>IP65 handles, NEMA 1, 3R, 12</b>  |       |            |                 |      |
| <b>Padlockable with max. 3 padlocks, door interlock in the ON position, defeatable</b>     |       |            |                 |      |
| 20–100 A   | Black | OHBS2AJEH  | 1SCA108230R1001 | 0.07 |
| <b>Padlockable with max. 3 padlocks, door interlock in the ON position, non-defeatable</b> |       |            |                 |      |
| 20–100 A   | Black | OHBS2AJ1EH | 1SCA105217R1001 | 0.07 |

Door interlocking in ON position means that the door can not be opened when the handle is in ON position. This can be defeated in IP65 types to allow authorized personnel access for inspection. The padlocked handle is not defeatable.

## Accessories for non-fusible disconnect switches 20–100 A

Ordering information for legend plates for UL 508 and UL 98 enclosure selector handles



OPBS1



OPB2



OPG2



OPS2



OPBS1EN1



OPSS1EN1



OPB2EN1



OPG2EN1



OPS2EN1

### Legend plates for selector handles

| Color  | Type     | Order number    | Weight/<br>unit<br>kg |
|--|----------|-----------------|-----------------------|
| <b>Plain plates for OH 1_ and OH 3_handles</b>                     |          |                 |                       |
| Black  | OPBS1    | 1SCA111519R1001 | 0.01                  |
| Yellow   | OPYS1    | 1SCA111528R1001 | 0.01                  |
| Silver   | OPSS1    | 1SCA111523R1001 | 0.01                  |
| Gray   | OPGS1    | 1SCA111563R1001 | 0.01                  |
| <b>Plain plates for OH 2_ handles</b>                              |          |                 |                       |
| Black  | OPB2     | 1SCA022353R4110 | 0.01                  |
| Yellow   | OPY2     | 1SCA022353R4200 | 0.01                  |
| Silver   | OPS2     | 1SCA022353R4460 | 0.01                  |
| Gray   | OPG2     | 1SCA022353R4380 | 0.01                  |
| <b>Printed plates for OH 1_ and OH3_handles. Text: MAIN SWITCH</b> |          |                 |                       |
| Black  | OPBS1EN1 | 1SCA111520R1001 | 0.01                  |
| Yellow   | OPYS1EN1 | 1SCA111530R1001 | 0.01                  |
| Silver   | OPSS1EN1 | 1SCA111525R1001 | 0.01                  |
| Gray   | OPGS1EN1 | 1SCA111526R1001 | 0.01                  |
| <b>Printed plates for OH 2_ handles. Text: MAIN SWITCH</b>         |          |                 |                       |
| Black  | OPB2EN1  | 1SCA022400R2070 | 0.01                  |
| Yellow   | OPY2EN1  | 1SCA022400R2740 | 0.01                  |
| Silver   | OPS2EN1  | 1SCA022400R2230 | 0.01                  |
| Gray   | OPG2EN1  | 1SCA022400R2310 | 0.01                  |

**Accessories for non-fusible switches, 20–100 A**

Ordering information for handle knobs — knob shaft through padlockable enclosure switches



OHBS12



OHBS16

**Direct handles for 20–100 A**

| Switches 3                             | Knob shaft through padlockable enclosure switches |
|--|---|
| EOT520N3P_<br>EOT530N3P_<br>EOT540N3P_ | OHBS12, OHRS12                                    |
| EOT560N3P_<br>EOT580N3P_               | OHBS14  |
| EOT930N3P_<br>EOT960N3P_<br>EOT910N3P_ | OHBS11 <sup>1</sup> , OHBS14                      |

<sup>1</sup> 4-pole configuration switches can be used.

## Accessories for fusible/non-fusible disconnect switches 20–600 A

Ordering information for shafts for UL 508 and UL 98 switches with pistol handles



OXP6X\_



OXP12X\_



OETL-ZX95

### Shaft diameter 6 mm 20–200 A

| Shaft length [mm] | Type     | Order number    | Weight/unit [kg] |
|-------------------|----------|-----------------|------------------|
| 57                | OXP6X57  | 1SCA125050R1001 | 0.01             |
| 63                | OXP6X63  | 1SCA111010R1001 | 0.02             |
| 87                | OXP6X87  | 1SCA109421R1001 | 0.02             |
| 90                | OXP6X90  | 1SCA022064R1180 | 0.03             |
| 108               | OXP6X108 | 1SCA125762R1001 | 0.03             |
| 130               | OXP6X130 | 1SCA022057R0570 | 0.04             |
| 150               | OXP6X150 | 1SCA022295R5600 | 0.05             |
| 158               | OXP6X158 | 1SCA122303R1001 | 0.05             |
| 161               | OXP6X161 | 1SCA022067R1760 | 0.05             |
| 170               | OXP6X170 | 1SCA108224R1001 | 0.05             |
| 210               | OXP6X210 | 1SCA022295R6080 | 0.06             |
| 265               | OXP6X265 | 1SCA108225R1001 | 0.08             |
| 290               | OXP6X290 | 1SCA022042R6370 | 0.08             |
| 310               | OXP6X310 | 1SCA022720R5710 | 0.09             |
| 360               | OXP6X360 | 1SCA022042R6530 | 0.10             |
| 400               | OXP6X400 | 1SCA108226R1001 | 0.12             |
| 430               | OXP6X430 | 1SCA022056R6030 | 0.12             |
| 500               | OXP6X500 | 1SCA109416R1001 | 0.14             |
| 700               | OXP6X700 | 1SCA022131R9580 | 0.19             |

### Shaft diameter 12 mm 400–600 A

| Shaft length [mm] | Type      | Order number    | Weight/unit [kg] |
|-------------------|-----------|-----------------|------------------|
| 166               | OXP12X166 | 1SCA022325R7100 | 0.18             |
| 185               | OXP12X185 | 1SCA022325R6710 | 0.20             |
| 220               | OXP12X220 | 1SCA022063R9610 | 0.24             |
| 250               | OXP12X250 | 1SCA022325R6980 | 0.30             |
| 280               | OXP12X280 | 1SCA022137R5140 | 0.30             |
| 325               | OXP12X325 | 1SCA022042R5810 | 0.36             |
| 395               | OXP12X395 | 1SCA022042R5990 | 0.43             |
| 465               | OXP12X465 | 1SCA022042R6020 | 0.51             |
| 535               | OXP12X535 | 1SCA022042R6110 | 0.59             |
| 625               | OXP12X625 | 1SCA022139R0020 | 0.70             |

### Shaft extension socket

For extending the shaft

| Suitable for shaft diameter [mm] | Type      | Order number    | Weight/unit [kg] |
|----------------------------------|-----------|-----------------|------------------|
| 12                               | OETL-ZX95 | 1SCA022083R5620 | 0.04             |

Above shaft lengths are standard and cut to length as required by enclosure configuration.

## Accessories for fusible/non-fusible disconnect switches 20–100 A

Ordering information for shafts for UL 508 and UL 98 switches with selector handles



OXS6X\_

### Selector handle 6 mm shafts 20–100 A

| Shaft length [mm] | Type     | Order number    | Weight/unit [kg] |
|-------------------|----------|-----------------|------------------|
| 53                | OXS6X53  | 1SCA101641R1001 | 0.01             |
| 57                | OXS6X57  | 1SCA101643R1001 | 0.02             |
| 73                | OXS6X73  | 1SCA101645R1001 | 0.02             |
| 85                | OXS6X85  | 1SCA101647R1001 | 0.02             |
| 95                | OXS6X95  | 1SCA101650R1001 | 0.03             |
| 100               | OXS6X100 | 1SCA101651R1001 | 0.03             |
| 105               | OXS6X105 | 1SCA108043R1001 | 0.03             |
| 109               | OXS6X109 | 1SCA101652R1001 | 0.03             |
| 115               | OXS6X115 | 1SCA101649R1001 | 0.03             |
| 117               | OXS6X117 | 1SCA101648R1001 | 0.03             |
| 120               | OXS6X120 | 1SCA101654R1001 | 0.04             |
| 130               | OXS6X130 | 1SCA101655R1001 | 0.04             |
| 150               | OXS6X150 | 1SCA108250R1001 | 0.04             |
| 160               | OXS6X160 | 1SCA101656R1001 | 0.05             |
| 180               | OXS6X180 | 1SCA101659R1001 | 0.05             |
| 237               | OXS6X237 | 1SCA101658R1001 | 0.06             |
| 250               | OXS6X250 | 1SCA101660R1001 | 0.06             |
| 330               | OXS6X330 | 1SCA101661R1001 | 0.10             |
| 455               | OXS6X455 | 1SCA101662R1001 | 0.12             |

Above shaft lengths are standard and cut to length as required by enclosure configuration.

## Accessories for fusible disconnect switches EOS930\_

Ordering information for auxiliary contacts



MCB-10

### Mounting on the side of the switch

| Description | Type | Order number | Weight/unit [kg] |
|-------------|------|--------------|------------------|
|-------------|------|--------------|------------------|

#### Mounting on the side of the switch with auxiliary contact frame OESA-ZX169

|     |        |                 |      |
|-----|--------|-----------------|------|
| 1NO | MCB-10 | 1SCA022150R5110 | 0.03 |
| 1NC | MCB-01 | 1SCA022150R5370 | 0.03 |

#### Snap-on mounting on the switch, by using a frame OSZ4, IP20

NO contacts are provided with a positive opening feature.

Types \_AU have gold plated contacts for harsh environments and low operating voltages.

|      |          |                 |      |
|------|----------|-----------------|------|
| 1 NO | OA1G10   | 1SCA022353R4970 | 0.03 |
| 1 NC | OA3G01   | 1SCA022456R7410 | 0.03 |
| 1 NO | OA1G10AU | 1SCA022436R7910 | 0.03 |
| 1 NC | OA3G01AU | 1SCA022819R5260 | 0.03 |



OA3G01

### Mounting frames for auxiliary contacts of EOS930\_

| Description | Amount of auxiliary contacts [pcs] | Type | Order number | Weight/unit [kg] |
|-------------|------------------------------------|------|--------------|------------------|
|-------------|------------------------------------|------|--------------|------------------|

#### Frame for auxiliary contacts OA1G10 and OA3G01 and for fuse monitor OFM\_

|   |        |      |                 |      |
|---|--------|------|-----------------|------|
| Mounting on the left side of the switch | max. 6 | OSZ4 | 1SCA022530R0200 | 0.06 |
|---|--------|------|-----------------|------|

#### Frame for MCB\_ auxiliary contacts. Not suitable for side operated switches

|  |        |            |                 |      |
|--|--------|------------|-----------------|------|
| Mounting on the right side of the switch | max. 6 | OESA-ZX169 | 1SCA022196R9360 | 0.06 |
|--|--------|------------|-----------------|------|



OSZ4



OESAZX169

### Function chart, changeover contacts OA4B1C/EOS930\_

| Handle position | Main contacts | Aux./test contacts NO |
|-----------------|---------------|-----------------------|
| Test            | open          | closed                |
| 0               | open          | open                  |
| I               | closed        | closed                |

## Accessories for fusible disconnect switches EOS960\_...EOS9600\_

### Ordering information for auxiliary contacts



OA1G10, OA3G01

#### Auxiliary contact blocks for EOS960\_...EOS9600\_

| Suitable for switches | Description | Protection degree | Type                  | Order number    | Weight/unit [kg] |
|-----------------------|-------------|-------------------|-----------------------|-----------------|------------------|
| EOS960_...EOS9600_    | 1 NO        | IP20              | OA1G10                | 1SCA022353R4970 | 0.03             |
|                       | 1 NC        | IP20              | OA3G01                | 1SCA022456R7410 | 0.03             |
|                       | 1 NO        | IP20              | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03             |
|                       | 1 NC        | IP20              | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03             |

<sup>1</sup>Types \_AU have gold plated contacts for harsh environments and low operating voltages.

#### Mounting under the mechanism cover

The “test” contacts operate in ON and OFF positions as well as when the handle is turned to TEST position (45° over the OFF position). The “test indication” contacts operate only when the handle is turned to TEST position. See the function table below. The OA1G10 (NO) or OA3G01 (NC) auxiliary contact blocks can be used as standard auxiliary contacts, “test” or “test indication” contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction. To activate the “test” and “test indication” features, a handle with test function is required. See the optional handles, pages 40–44.

#### Function table of EOS960\_...EOS9600\_ auxiliary contacts

| Handle position | Main contacts | Aux./test contacts NO | Test indication contacts NO |
|-----------------|---------------|-----------------------|-----------------------------|
| Test            | open          | closed                | closed                      |
| 0               | open          | open                  | open                        |
| I               | closed        | closed                | open                        |

Maximum number of contact blocks, “Aux./test” contacts and “test indication” contacts, see the table below.

Standard versions include all except for N3-types, which are equipped with integrated neutral through the mechanism.

#### Maximum number of auxiliary contacts under the mechanism cover

|                                  | EOS960_...EOS9200_ |    | EOS9400_...EOS9600_ |    |
|----------------------------------|--------------------|----|---------------------|----|
|                                  | Standard           | N3 | Standard            | N3 |
| Pole version                     | Standard           | N3 | Standard            | N3 |
| Maximum number of contact blocks | 4                  | 0  | 8                   | 4  |
| Aux./test contacts               | 4                  | 0  | 4                   | 2  |
| Test indication contacts         | 2                  | 0  | 4                   | 2  |

#### Mounting on the left side of the OS switch fuse:

Maximum 8 auxiliary contact blocks (NO or NC) with the OEA28 module.

#### Module for auxiliary contacts for EOS960\_...EOS9600\_

| Description                                   | Type  | Order number    | Weight/unit [kg] |
|---|-------|-----------------|------------------|
| Screw mounting to the left side of the switch | OEA28 | 1SCA022714R8810 | 0.04             |



OEA28

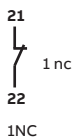
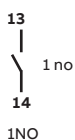


## Accessories for non-fusible disconnect switches EOT9200\_.....EOT9600\_

### Ordering information for auxiliary contacts



OA1G10, OA3G01



OEA28

Video: Auxiliary contacts installation



<https://www.youtube.com/watch?v=wZY428-W55c&feature=youtu.be>

#### Auxiliary contact blocks for EOT9200\_.....EOT9600\_ , IP20

Contact numbering according to EN 50013. Early-break type auxiliary contacts means that in the switches, the NO auxiliary contacts break before the main contacts open.

In types with auxiliary contacts mountable under the mechanism cover, the "test" contacts operate in ON and OFF positions as well as when the handle is turned to TEST position (45° over the OFF position). The "test indication" contacts operate only when the handle is turned to TEST position. The OA1G10 (NO) or OA3G01 (NC) auxiliary contact blocks can be used as standard auxiliary contacts, "test" or "test indication" contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place (see mounting instructions). To activate the "test" and "test indication" features, a handle with test function is required. The test contacts can be used as standard auxiliary contacts as well.

#### Auxiliary contact blocks for EOT9200\_.....EOT9600\_ , IP20

| Suitable for switches  | Function          | Type                  | Order number    | Weight/unit kg |
|--|-------------------|-----------------------|-----------------|----------------|
| <b>Mounting on the left side of the switch</b>                       |                   |                       |                 |                |
| Max. 8 auxiliary contact blocks with the OEA28 module                |                   |                       |                 |                |
| EOT9200_   | 1 NO              | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1 NO              | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1 NC              | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1 NC              | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |
| <b>Mounting under the mechanism cover</b>                            |                   |                       |                 |                |
| Max. 4 test contacts or 2 test contacts + 2 test indication contacts |                   |                       |                 |                |
| EOT9200_   | 1 NO, early break | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1 NO, early break | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1 NC, early make  | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1 NC, early make  | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |
| Max. 4 test contacts + 4 test indication contacts                    |                   |                       |                 |                |
| EOT9400_.....EOT9600_  | 1 NO, early break | OA1G10                | 1SCA022353R4970 | 0.03           |
|  | 1 NO, early break | OA1G10AU <sup>1</sup> | 1SCA022436R7910 | 0.03           |
|  | 1 NC, early make  | OA3G01                | 1SCA022456R7410 | 0.03           |
|  | 1 NC, early make  | OA3G01AU <sup>1</sup> | 1SCA022819R5260 | 0.03           |

<sup>1</sup>Types \_AU are gold plated for extremely difficult circumstances and low voltages.

**Accessories for fusible disconnect switches EOS960\_....EOS9600\_**  
 Ordering information for fourth poles



OSP200J

**Fourth poles**  
 Snap-on mounting to the side of the switch.

**Fourth poles**

| Suitable for 3-pole switches | Mounting side | Type     | Order number    | Weight/unit [kg] |
|------------------------------|---------------|----------|-----------------|------------------|
| <b>Fusible 4 poles</b>       |               |          |                 |                  |
| EOS9200_                     | Left/right    | OSP200J  | 1SCA022735R9000 | 1.20             |
| EOS9400_                     | Left/right    | OSP400J  | 1SCA151737R1001 | 2.00             |
| EOS9600_                     | Left/right    | OSP600J  | 1SCA151731R1001 | 4.20             |
| <b>Switched 4 poles</b>      |               |          |                 |                  |
| EOS9100_                     | Left/right    | OSP160GN | 1SCA114770R1001 | 0.45             |
| EOS9200_                     | Left/right    | OSP200N  | 1SCA022735R8700 | 1.20             |
| EOS9400_                     | Left/right    | OSP400N  | 1SCA022770R3490 | 1.20             |
| EOS9600_                     | Left/right    | OSP800N  | 1SCA100432R1001 | 4.40             |



OSP160GN



OSP250N



OSP800N

**Accessories for non-fusible disconnect switches EOT520\_....EOT580\_, EOT930\_....EOT9100\_**

Ordering information for fourth poles



OTPS60FP

**Fourth poles, simultaneous function with the main contacts EOT520\_....EOT580\_, EOT930\_....EOT9100\_**

Mountable on the side of the 3-pole switch frame.

**Fourth poles, simultaneous function with the main contacts EOT520\_....EOT580\_, EOT930\_....EOT9100\_**

| Suitable for switches                         | Type                    | Order number    | Weight/unit kg |
|---|-------------------------|-----------------|----------------|
| <b>For DIN rail and base mounted switches</b> |                         |                 |                |
| EOT520_...EOT540_(3-pole and 6-pole)          | OTPS40FPN1 <sup>1</sup> | 1SCA105001R1001 | 0.03           |
|   | OTPS40FPN2 <sup>1</sup> | 1SCA105000R1001 | 0.06           |
| EOT560_...EOT580_(3-pole and 6-pole)          | OTPS80FP                | 1SCA105461R1001 | 0.14           |
| EOT930_ and EOT960_(3-pole and 6-pole)        | OTPS60FP                | 1SCA111009R1001 | 0.30           |
| EOT9100_(3-pole and 6-pole)                   | OTPS125FP               | 1SCA105099R1001 | 0.30           |



OTPL80FP

**Fourth poles, late-break and early-make**

Mountable on the side of the switch. There is a time difference between the main poles and the fourth pole.

**Fourth poles, late-break and early-make**

| Suitable for switches                         | Type      | Order number    | Weight/unit kg |
|---|-----------|-----------------|----------------|
| <b>For DIN rail and base mounted switches</b> |           |                 |                |
| EOT520_...EOT540_(3-pole and 6-pole)          | OTPL40FP  | 1SCA105717R1001 | 0.03           |
| EOT560_...EOT580_(3-pole and 6-pole)          | OTPL80FP  | 1SCA105452R1001 | 0.06           |
| EOT930_ and EOT960_(3-pole and 6-pole)        | OTPL60FP  | 1SCA111004R1001 | 0.06           |
| EOT9100_(3-pole and 6-pole)                   | OTPL125FP | 1SCA105090R1001 | 0.14           |

<sup>1</sup>N1=On the left side of the switch  
<sup>2</sup>N2=On the right side of the switch

**Accessories for non-fusible disconnect switches EOT520\_....EOT580\_, EOT930\_....EOT9100\_**

Ordering information for earth terminals and phase separators



OTPE40FP



OTPE125FP

**Protective earth**

Mountable on the side of the switch

**Protective earth**

| Suitable for switches               | Type      | Order number    | Weight/<br>unit<br>kg |
|-------------------------------------|-----------|-----------------|-----------------------|
| <b>For OT switch-disconnectors</b>  |           |                 |                       |
| EOT520_..... EOT540_ (3, 4, 6 pole) | OTPE40FP  | 1SCA104995R1001 | 0.03                  |
| EOT560_..... EOT580_ (3, 4, 6 pole) | OTPE80FP  | 1SCA105448R1001 | 0.06                  |
| EOT930_, EOT960_ (3, 4, 6 pole)     | OTPE60FP  | 1SCA111016R1001 | 0.14                  |
| EOT9100_ (3, 4, 6 pole)             | OTPE125FP | 1SCA105128R1001 | 0.14                  |

**Phase separators**

Gray plastic plate for maintaining 1 in./25.44 mm clearance between the phases without terminal shrouds. Snap-on mounting.

**Phase separators**

| Suitable for switches   | Type     | Order number    | Units/<br>type<br>pcs | Weight/<br>type<br>kg |
|-------------------------|----------|-----------------|-----------------------|-----------------------|
| EOT9600_, 3- and 4-pole | OTB800/6 | 1SCA022821R7760 | 6                     | 0.35                  |



OTB\_

## Accessories for fusible disconnect switches EOS930\_.....EOS9600\_

Ordering information for neutral links, solid links and phase barriers



OSZ1

### Neutral links

#### For OS Mini OS30F

Detachable, mounting onto base plate or DIN rail

#### For EOS930\_

| Max. wire          | H/W/D [mm] | Mounting holes     | Type       | Order number    | Weight/unit [kg] |
|--------------------|------------|--------------------|------------|-----------------|------------------|
| 16 mm <sup>2</sup> | 39/41/40   | ∅ 4.2, distance 35 | OESA-ZX171 | 1SCA022197R2580 | 0.06             |



OXN250

#### For EOS960\_, EOS9100\_

Detachable, mounting onto the base plate or DIN rail

#### For EOS960\_, EOS9100\_

| Max. wire             | H/W/D [mm] | Mounting holes     | Type | Order number    | Weight/unit [kg] |
|-----------------------|------------|--------------------|------|-----------------|------------------|
| 16 mm <sup>2</sup> Cu | 39/41/40   | ∅ 4.2, distance 32 | OSZ1 | 1SCA022481R3710 | 0.06             |
| 35 mm <sup>2</sup> Cu | 39/44/45   | ∅ 4.2, distance 35 | OSZ2 | 1SCA022481R3800 | 0.07             |



OXN400

#### For EOS960\_.....EOS9600\_

Mounting with screws (included) onto either side of the switch or on the base plate according the table below.

#### For EOS960\_.....EOS9600\_

| Suitable for switches                         | Type    | Order number    | Weight/unit [kg] |
|---|---------|-----------------|------------------|
| <b>Detachable, mounting on the switch</b>     |         |                 |                  |
| EOS9200_                                      | OXN250  | 1SCA022752R9950 | 0.40             |
| <b>Detachable, mounting on the base plate</b> |         |                 |                  |
| EOS960_.....EOS9200_                          | OXN250  | 1SCA022752R9950 | 0.40             |
| EOS9400_                                      | OXN400  | 1SCA022770R3060 | 0.70             |
| EOS9600_                                      | OXN800S | 1SCA022831R4880 | 1.20             |



OXN800S

### Solid links

| Suitable for switches | Type   | Order number    | Weight/unit [kg] |
|-----------------------|--------|-----------------|------------------|
| EOS9200_              | OEZNL1 | 1SCA022723R7400 | 0.19             |
| EOS9600_              | OEZNL8 | 1SCA113998R1001 | 0.58             |



KT7PBH

### Phase barriers

3-pole switch fuses need 4 barriers and 4-pole switch fuses need 6 barriers for full protection. Cutting width of the phase barrier 55 mm.

#### Phase barriers

| Suitable for switches | No. of poles | Height h[mm] | Type     | Order number    | Units/type [pcs] |
|-----------------------|--------------|--------------|----------|-----------------|------------------|
| EOS9100_, EOS9200_    | 3            | -            | OSB160/4 | 1SCA131820R1001 | 4                |
| EOS9100_, EOS9200_    | 3            | -            | OSB160/6 | 1SCA131821R1001 | 6                |
| EOS9400_              | 3            | 200          | KT7PBH-3 | 1SDA054972R1    | 4                |
| EOS9400_              | 4            | 200          | KT7PBH-4 | 1SDA054973R1    | 6                |

**Accessories for non-fusible disconnect switches EOT520\_....EOT580\_, EOT930\_.....EOT9600\_**

Ordering information for neutrals



OTPD40FP



OTPD80FP



OXN250



OXN400



OXN800S

**Fixed neutral**

Mountable on the side of the switch

**Fixed neutral**

| Suitable for switches             | Type      | Order number    | Weight/<br>unit<br>kg |
|-----------------------------------|-----------|-----------------|-----------------------|
| <b>For base mounted switches</b>  |           |                 |                       |
| EOT520_.....EOT540 (3 and 6 pole) | OTPN40FP  | 1SCA104997R1001 | 0.03                  |
| EOT560_, EOT580 (3 and 6 pole)    | OTPN80FP  | 1SCA105457R1001 | 0.06                  |
| EOT930_, EOT960 (3 and 6 pole)    | OTPN60FP  | 1SCA117606R1001 | 0.14                  |
| EOT9100_ (3 and 6 pole)           | OTPN125FP | 1SCA105094R1001 | 0.14                  |

**Neutral pole**

| Suitable for switches UL, including phase barrier | Type    | Order number    | Weight/<br>unit<br>kg |
|---|---------|-----------------|-----------------------|
| EOT9200_  | OTZ200U | 1SCA151734R1001 | 0.35                  |
| EOT9400_  | OTZ400U | 1SCA151735R1001 | 0.59                  |
| EOT9600_  | OTZ600U | 1SCA151736R1001 | 1.70                  |

**Detachable neutral**

Mountable on the side of the switch

**Detachable neutral**

| Suitable for switches                         | Type      | Order number    | Weight/<br>unit<br>kg |
|---|-----------|-----------------|-----------------------|
| <b>For DIN rail and base mounted switches</b> |           |                 |                       |
| EOT520_.....EOT540 (3 and 6 pole)             | OTPD40FP  | 1SCA104994R1001 | 0.03                  |
| EOT560_, EOT580 (3 and 6 pole)                | OTPD80FP  | 1SCA105445R1001 | 0.06                  |
| EOT930_, EOT960 (3 and 6 pole)                | OTPD60FP  | 1SCA111014R1001 | 0.14                  |
| EOT9100_ (3 and 6 pole)                       | OTPD125FP | 1SCA105083R1001 | 0.14                  |

**Neutral links**

Detachable, mountable separately to the base plate

**Neutral links**

| Suitable for switches | I <sub>th</sub><br>A | Type    | Order number    | Weight/<br>unit<br>kg |
|-----------------------|----------------------|---------|-----------------|-----------------------|
| EOT9200_              | 250                  | OXN250  | 1SCA022752R9950 | 0.26                  |
| EOT9400_              | 400                  | OXN400  | 1SCA022770R3060 | 0.70                  |
| EOT9600_              | 800                  | OXN800T | 1SCA022829R0840 | 0.96                  |

## Accessories for fusible disconnect switches EOS9100\_.....EOS9600\_

Ordering information for terminal shrouds



OSS200G1L



OSS200G1S



OSS400G1L



OSS800G1L



OSS800G1S



OSS250G1SH

### Terminal shrouds

| Suitable for switches  | Description | Type         | Order number    | Units/<br>type<br>[pcs] | Weight/<br>unit [kg] |
|--|-------------|--------------|-----------------|-------------------------|----------------------|
| <b>Pack of single pole terminal shrouds</b>  |             |              |                 |                         |                      |
| <b>Snap-on mounting, gray plastic, IP 3X from front. Transparent shrouds available on request.</b> |             |              |                 |                         |                      |
| EOS9100_   | Long type   | OSS160GG1L/3 | 1SCA114764R1001 | 3                       | 0.08                 |
| EOS9100_   | Short type  | OSS160GG1S/3 | 1SCA114766R1001 | 3                       | 0.05                 |
| EOS9100_   | Long type   | OSS160GG1L/4 | 1SCA114765R1001 | 4                       | 0.11                 |
| EOS9100_   | Short type  | OSS160GG1S/4 | 1SCA114767R1001 | 4                       | 0.07                 |
| EOS9200_   | Long type   | OSS200G1L/3  | 1SCA022731R8910 | 3                       | 0.09                 |
| EOS9200_   | Short type  | OSS200G1S/3  | 1SCA022732R0130 | 3                       | 0.06                 |
| EOS9200_   | Long type   | OSS200G1L/4  | 1SCA022731R9040 | 4                       | 0.12                 |
| EOS9200_   | Short type  | OSS200G1S/4  | 1SCA022732R0050 | 4                       | 0.08                 |
| EOS9400_   | Long type   | OSS400G1L/3  | 1SCA022776R6650 | 3                       | 0.18                 |
| EOS9400_   | Short type  | OSS400G1S/3  | 1SCA022776R6900 | 3                       | 0.10                 |
| EOS9400_   | Long type   | OSS400G1L/4  | 1SCA022776R6730 | 4                       | 0.25                 |
| EOS9400_   | Short type  | OSS400G1S/4  | 1SCA022776R7030 | 4                       | 0.15                 |
| EOS9600_   | Long type   | OSS800G1L/3  | 1SCA022776R7200 | 3                       | 0.53                 |
| EOS9600_   | Short type  | OSS800G1S/3  | 1SCA022776R7540 | 3                       | 0.21                 |
| EOS9600_   | Long type   | OSS800G1L/4  | 1SCA022776R7380 | 4                       | 0.70                 |
| EOS9600_   | Short type  | OSS800G1S/4  | 1SCA022776R7460 | 4                       | 0.28                 |

**Accessories for non-fusible disconnect switches EOT520\_.....EOT580, EOT930\_.....EOT9100\_**

Ordering information for terminal shrouds



OTS40T3



OTS63T3



OTS125T3



OTS125T3P



OTS63T1



OTS125T1



OTS40T1



OTS125T1P

**Terminal shrouds for OT switches, snap-on mounting, transparent IP2X**

| Suitable for switches   | Type      | Order number    | Weight/<br>unit<br>kg |
|---|-----------|-----------------|-----------------------|
| <b>For 3-pole switches</b>  |           |                 |                       |
| EOT520_.....EOT540_   | OTS40T3   | 1SCA105317R1001 | 0.01                  |
| EOT560_, EOT580_  | OTS63T3   | 1SCA022353R6750 | 0.01                  |
| EOT930_.....EOT9100_  | OTS125T3  | 1SCA022379R9680 | 0.01                  |
| <b>For 3-pole switches, suitable also when provided with terminal clamps OZXL1 or OZXT1</b>                         |           |                 |                       |
| EOT930_.....EOT9100_  | OTS125T3P | 1SCA022491R9890 | 0.01                  |
| <b>For 1- to 4-pole OT switches, shroud for single pole and for fourth pole</b>                                     |           |                 |                       |
| OTP_40F_  | OTS40T1   | 1SCA105314R1001 | 0.01                  |
| OTP_80F_  | OTS63T1   | 1SCA022353R6910 | 0.01                  |
| OTP_125F_   | OTS125T1  | 1SCA022379R9760 | 0.01                  |
| <b>For 1- to 4-pole OT switches with terminal clamps OZXL1 or OZXT1, shroud for single pole and for fourth pole</b> |           |                 |                       |
| EOT930_.....EOT9100_  | OTS125T1P | 1SCA022491R9970 | 0.01                  |

## Accessories for non-fusible disconnect switches EOT9200\_....EOT9600\_

Ordering information for terminal shrouds



OTS400G1S



OTS800G1S



OTS1600G1L



OTS1600G1S

**Terminal shrouds for OT switches, snap-on mounting, gray**  
 Pack of single pole shrouds, IP3X. Transparent shrouds available on request.

**Terminal shrouds for OT switches, snap-on mounting, gray**

| Suitable for switches         | Dimension Height mm | Type                     | Order number    | Units/type pcs | Weight/type kg |
|-------------------------------|---------------------|--------------------------|-----------------|----------------|----------------|
| <b>For 3-pole switches</b>    |                     |                          |                 |                |                |
| EOT9200_                      | 83                  | OTS250G1L/3 <sup>1</sup> | 1SCA022731R8150 | 3              | 0.09           |
|                               | 35.5                | OTS250G1S/3 <sup>1</sup> | 1SCA022731R8310 | 3              | 0.06           |
| EOT9400_                      | 51.5                | OTS400G1S/3 <sup>1</sup> | 1SCA022736R9060 | 3              | 0.15           |
|                               | 126                 | OTS400G1L/3 <sup>1</sup> | 1SCA022736R8840 | 3              | 0.09           |
| EOT9600_                      | 138.6               | OTS800G1L/3 <sup>1</sup> | 1SCA022776R7890 | 3              | 0.32           |
|                               | 61.5                | OTS800G1S/3 <sup>1</sup> | 1SCA022776R8190 | 3              | 0.17           |
| <b>For 4-pole OT switches</b> |                     |                          |                 |                |                |
| EOT9200_                      | 83                  | OTS250G1L/4 <sup>1</sup> | 1SCA022731R8230 | 4              | 0.12           |
|                               | 35.5                | OTS250G1S/4 <sup>1</sup> | 1SCA022731R8400 | 4              | 0.08           |
| EOT9400_                      | 51.5                | OTS400G1S/4 <sup>1</sup> | 1SCA022736R9650 | 4              | 0.20           |
|                               | 126                 | OTS400G1L/4 <sup>1</sup> | 1SCA022736R9490 | 4              | 0.12           |
| EOT9600_                      | 138.6               | OTS800G1L/4 <sup>1</sup> | 1SCA022776R7970 | 4              | 0.42           |
|                               | 61.5                | OTS800G1S/4 <sup>1</sup> | 1SCA022776R8270 | 4              | 0.26           |

<sup>1</sup>L= long type, S= short type

## Accessories for fusible disconnect switches EOS960\_.....EOS9600\_

### Ordering information for terminal clamp sets



OZXT1

#### Terminal clamp sets

| Suitable for switches     | Cable cross section [mm²] | Type  | Order number    | Units/type [pcs] | Weight/unit [kg] |
|---------------------------|---------------------------|-------|-----------------|------------------|------------------|
| <b>Insulated versions</b> |                           |       |                 |                  |                  |
| EOS960_                   | 16...50 Al, 2.5...50 Cu   | OZXT1 | 1SCA022469R6310 | 3                | 0.05             |



OZXB8

#### OZXB-type Al/Cu connectors made of stainless steel

| Suitable for switches | Cable cross section [mm²] | Suitable shroud | Type   | Order number    | Units/type [pcs] | Weight/unit [kg] |
|-----------------------|---------------------------|-----------------|--------|-----------------|------------------|------------------|
| EOS9100_              | 10...70                   | OSS160G_        | OZXB1L | 1SCA022169R2030 | 3                | 0.15             |
| EOS9100_              | 95...185                  | OSS160G_        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| EOS9200_              | 10...70                   | OSS200_L        | OZXB1L | 1SCA022169R2030 | 3                | 0.15             |
| EOS9200_              | 25...120                  | OZXB2K          | OZXB2  | 1SCA022119R7610 | 3                | 0.34             |
| EOS9200_              | 25...120                  | OZXB2K          | OZXB2L | 1SCA022158R7750 | 3                | 0.42             |
| EOS9200_              | 95...185                  | OSS200_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| EOS9200_              | 95...240                  | OSS200_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |
| EOS9400_              | 25...120                  | OSS400_L        | OZXB2L | 1SCA022158R7750 | 3                | 0.42             |
| EOS9400_              | 95...185                  | OZXB3K          | OZXB3  | 1SCA022136R8100 | 3                | 1.30             |
| EOS9400_              | 2x(95...185)              | OZXB3K          | OZXB4  | 1SCA022137R4760 | 3                | 1.70             |
| EOS9400_              | 120...300                 | OZXB4K          | OZXB5  | 1SCA022137R2470 | 3                | 2.30             |
| EOS9400_              | 2x(120...300)             | OZXB4K          | OZXB6  | 1SCA022137R4920 | 3                | 3.03             |
| EOS9400_              | 120...240                 | OZXB5K          | OZXB7  | 1SCA022185R0040 | 3                | 1.00             |
| EOS9400_              | 95...185                  | OSS400_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| EOS9400_              | 95...240                  | OSS400_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |
| EOS9600_              | 95...185                  | OSS800_L        | OZXB3  | 1SCA022136R8100 | 3                | 1.30             |
| EOS9600_              | 2x(95...185)              | OSS800_L        | OZXB4  | 1SCA022137R2470 | 3                | 1.70             |
| EOS9600_              | 120...300                 | OSS800_L        | OZXB5  | 1SCA022137R2470 | 3                | 2.30             |
| EOS9600_              | 2x(120...300)             | OSS800_L        | OZXB6  | 1SCA022137R4920 | 3                | 3.03             |
| EOS9600_              | 120...240                 | OSS800_L        | OZXB7L | 1SCA022185R7130 | 3                | 1.20             |
| EOS9600_              | 95...185                  | OSS800_L        | OZXB8  | 1SCA022744R1510 | 3                | 0.50             |
| EOS9600_              | 95...240                  | OSS800_L        | OZXB9  | 1SCA022750R3210 | 3                | 0.50             |



OZXB2L

## Accessories for non-fusible disconnect switches EOT520\_.....EOT580\_, EOT930\_.... EOT9600\_

Ordering information for terminal clamps



OZXT1



OZXT2

### Terminal clamp sets for Al and Cu cables, insulated versions

| Suitable for switches | Cable cross section mm <sup>2</sup> | Type               | Order number    | Weight/unit kg |
|-----------------------|-------------------------------------|--------------------|-----------------|----------------|
| EOT560_, EOT580_      | 16...50 Al, 2.5...50 Cu             | OZXT1 <sup>1</sup> | 1SCA022469R6310 | 0.05           |
| EOT9100_              | 16...120 Al/Cu                      | OZXT2              | 1SCA022620R7200 | 0.21           |
| EOT9100_              | 2x(16...50) Al/Cu                   | OZXT3              | 1SCA022639R0720 | 0.21           |

<sup>1</sup>I<sub>n</sub>=63 A



OZXB1L



OZXB2

### Terminal clamp sets for Al and Cu cables

| Suitable for switches | Cable cross section mm <sup>2</sup> | Suitable shroud type | Terminal clamp type | Order number | Units/type pcs | Weight/unit kg |
|-----------------------|-------------------------------------|----------------------|---------------------|--------------|----------------|----------------|
|-----------------------|-------------------------------------|----------------------|---------------------|--------------|----------------|----------------|

#### OZXB type Al/Cu connectors made of stainless steel

|          |               |          |        |                 |   |      |
|----------|---------------|----------|--------|-----------------|---|------|
| EOT9200_ | 10...70       | OTS250_L | OZXB1L | 1SCA022169R2030 | 3 | 0.15 |
|          | 25...120      | OZXB2K   | OZXB2  | 1SCA022119R7610 | 3 | 0.34 |
|          | 25...120      | OZXB2K   | OZXB2L | 1SCA022158R7750 | 3 | 0.43 |
|          | 95...185      | OTS250_L | OZXB8  | 1SCA022744R1510 | 3 | 0.50 |
|          | 95...240      | OTS250_L | OZXB9  | 1SCA022750R3210 | 3 | 0.50 |
| EOT9400_ | 25...120      | OZXB2K   | OZXB2L | 1SCA022158R7750 | 3 | 0.43 |
|          | 95...185      | OZXB3K   | OZXB3  | 1SCA022136R8100 | 3 | 1.28 |
|          | 2x(95...185)  | OZXB3K   | OZXB4  | 1SCA022137R4760 | 3 | 1.71 |
|          | 120...240     | OZXB5K   | OZXB7  | 1SCA022185R0040 | 3 | 1.00 |
|          | 120...240     | OZXB5K   | OZXB7L | 1SCA022185R7130 | 3 | 1.20 |
| EOT9600_ | 95...185      | OTS400_L | OZXB8  | 1SCA022744R1510 | 3 | 0.50 |
|          | 95...240      | OTS400_L | OZXB9  | 1SCA022750R3210 | 3 | 0.50 |
|          | 120...300     | OZXB4K   | OZXB5  | 1SCA022137R2470 | 3 | 2.22 |
|          | 2x(120...300) | OZXB4K   | OZXB6  | 1SCA022137R4920 | 3 | 3.03 |



OZXB2L



OZXB3



OZXB4



OZXB7



OZXB8



OZXB9



OZXB5



OZXB6

## Accessories for fusible/non-fusible disconnect switches 100...600 A

Ordering information for terminal lugs



OZXA-200



OZXA-400



OZXA-800

**Terminal lug kits from Al and Cu cables for UL/CSA disconnect switches**  
 One kit includes 6 pcs.

### Terminal lug kits from Al- and Cu-cables for UL/CSA disconnect switches

| Suitable for switches           | Cable size        | Type     | Tightening torque [lb. in/Nm] | Weight/unit [kg] | Weight/unit [lb] |
|---------------------------------|-------------------|----------|-------------------------------|------------------|------------------|
| 100 A (fusible only)            | AWG 14-2/0        | OZXA-24  | 120/13.6                      | 0.21             | 0.45             |
| 200 A (fusible and non-fusible) | AWG 4-300 MCM     | OZXA-200 | 275/31.1                      | 0.04             | 0.09             |
| 400 A (fusible and non-fusible) | AWG 2-600 MCM     | OZXA-400 | 375/42.4                      | 0.05             | 0.12             |
| 600 A (fusible and non-fusible) | 2 X AWG 2-600 MCM | OZXA-800 | 500/56.5                      | 0.21             | 0.45             |

### Technical data for terminal lugs

| Description                          |                       |
|--------------------------------------|-----------------------|
| UL approval file                     | E60207                |
| Temperature rating, °C               | 75                    |
| Wire tightening type of tool         | Allen (Hex) wrench    |
| Lug mounting                         | Bolt and nut mounting |
| AWG (American Wire Gauge) wire class | B.C                   |

## Accessories for fusible disconnect switches EOS930\_....EOS9600\_

Ordering information for electronic fuse monitor



OFM260

### Electronic fuse monitor

Includes the auxiliary contacts 1 NO + 1 NC. More information, see brochure OFM\_OFS20GB.

### EOS930\_

Mounting onto the left side of OS Mini (with a frame OSZ4) or on mounting plate.



OFS260

### EOS930\_

| Rated voltage [V] | Approvals       | Type   | Order number    | Weight/unit [kg] |
|-------------------|-----------------|--------|-----------------|------------------|
| 120...240/AC      | IEC, UL and CSA | OFM240 | 1SCA022579R1340 | 0.2              |
| 120...260/AC      | IEC             | OFM260 | 1SCA022459R8560 | 0.14             |
| 380...600/AC      | IEC, UL and CSA | OFM600 | 1SCA022579R1260 | 0.2              |
| 380...690/AC      | IEC             | OFM690 | 1SCA022459R8480 | 0.14             |

### EOS960\_....EOS9600\_

Mounting onto the left side of fusible switch, on DIN rail or on mounting plate.



OFD500EA

### EOS960\_....EOS9600\_

| Rated voltage [V] | Approvals | Type     | Order number    | Weight/unit [kg] |
|-------------------|-----------|----------|-----------------|------------------|
| 100...260/AC      | IEC       | OFS260   | 1SCA022716R0180 | 0.16             |
| 380...690/AC      | IEC       | OFS690   | 1SCA022715R9920 | 0.16             |
| 45...140/DC       | IEC       | OFD110EA | 1SCA121775R1001 | 0.155            |
| 135...550/DC      | IEC       | OFD500EA | 1SCA121776R1001 | 0.155            |



OFMZX2



OSZ4

## Accessories for fusible disconnect switches EOS960\_...EOS9600\_

Ordering information for cam attachment and interlocks



OSZT1A

### Mechanism interlock kits and Electrical interlocks

EOS960\_...EOS9600\_ fusible switches can be interlocked in the OFF position using padlocks and by using a mechanical interlock kit mounted on the mechanism. The diameter of the lock bail can be max. 8 mm.

Note: The shaft must go through the interlock into the switch mechanism.

### Mechanism interlock kits and Electrical interlocks

| Suitable for switches                           | Type   | Order number    | Weight/unit [kg] |
|---|--------|-----------------|------------------|
| <b>Interlocking in the OFF position</b>         |        |                 |                  |
| EOS960_, EOS9100_                               | OTZT1A | 1SCA106522R1001 | 0.21             |
| EOS9200_  | OSZT1A | 1SCA106532R1001 | 0.32             |
| EOS9400_  | OSZT2A | 1SCA106534R1001 | 0.75             |
| EOS9600_  | OSZT3A | 1SCA106535R1001 | 1.20             |
| <b>Interlocking in the OFF and ON positions</b> |        |                 |                  |
| EOS960_, EOS9100_                               | OTZT1L | 1SCA106527R1001 | 0.21             |
| EOS9200_  | OSZT1L | 1SCA106538R1001 | 0.32             |
| EOS9400_  | OSZT2L | 1SCA106539R1001 | 0.75             |
| EOS9600_  | OSZT3L | 1SCA106540R1001 | 1.20             |



OSZT2A



OETLZW5

### Cam attachment

Cam attachment for Castell, Lowe & Fletcher and Ronis interlock. Lock, handle and shaft are not included. Mounting on OXP shaft working together with external OH door handle.

### Cam attachment

| Suitable for switches | Type     | Order number    | Weight/unit [kg] |
|-----------------------|----------|-----------------|------------------|
| EOS9400_, EOS9600_    | OETL-ZW5 | 1SCA022052R3900 | 0.14             |

## Accessories for non-fusible disconnect switches EOT9200\_...EOT9600\_

Ordering information for mechanical interlocks



OTZT1A



OTZT2A



OTZT3A

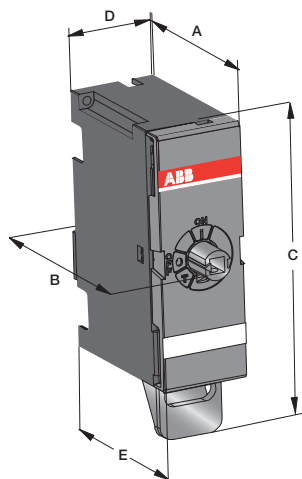
### Mechanism interlock kits and electrical interlocks

EOT9200\_...EOT9600\_ switch-disconnectors can be interlocked in the OFF position using padlocks or a mechanical interlock kit mounted on the mechanism. The diameter of the lock bail can be max. 8 mm.

### Mechanism interlock kits and electrical interlocks

| Suitable for switches                           | Type   | Order number    | Weight/<br>unit<br>kg |
|---|--------|-----------------|-----------------------|
| <b>Interlocking in the OFF position</b>         |        |                 |                       |
| EOT9200_  | OTZT1A | 1SCA106522R1001 | 0.21                  |
| EOT9400_  | OTZT2A | 1SCA106523R1001 | 0.57                  |
| EOT9600_  | OTZT3A | 1SCA106525R1001 | 0.75                  |
| <b>Interlocking in the OFF and ON positions</b> |        |                 |                       |
| EOT9200_  | OTZT1L | 1SCA106527R1001 | 0.21                  |
| EOT9400_  | OTZT2L | 1SCA106529R1001 | 0.57                  |
| EOT9600_  | OTZT3L | 1SCA106530R1001 | 0.75                  |

### Electrical and mechanical interlock OTZT\_



|          | OTZT1_ | OTZT2_ | OTZT3_ | OTZT4_ |
|----------|--------|--------|--------|--------|
|          | mm     | mm     | mm     | mm     |
| <b>A</b> | 69     | 81     | 86     | 88     |
| <b>B</b> | 82     | 102    | 110    | 110    |
| <b>C</b> | 122    | 152    | 201    | 258    |
| <b>D</b> | 35     | 52     | 65     | 84     |
| <b>E</b> | 73     | 91     | 98     | 95     |

M00350/OTZT1-4\_ A

## Accessories for fusible disconnect switches EOS960\_....EOS9600\_

### Ordering information for coils and mounting accessories



PDAL2-230AC50Hz

#### Coils

By installing a coil inside the housing of the interlock kit, the switch can be interlocked electrically in the OFF position or both in the OFF and ON positions. The electrical interlock works using the "closed circuit principle," meaning that when the control voltage is not connected to the coil, the switches provided with A-type interlocks cannot be turned to the ON position and switches with L-type interlocks cannot be turned to the ON or OFF positions.

#### Coils

| Suitable for switches              | Type            | Order number     | Weight/unit [kg] |
|------------------------------------|-----------------|------------------|------------------|
| <b>AC coils</b>                    |                 |                  |                  |
| 24 V AC, 60 Hz                     | PDAL2/24AC60Hz  | 1SCA111350R1001  | 0.15             |
| 110 V AC, 50 Hz                    | PDAL2/110AC50Hz | 1SCA106543R1001  | 0.15             |
| 110 V AC, 60 Hz                    | PDAL2/110AC60Hz | 1SCA107100R1001  | 0.15             |
| 120 V AC, 60 Hz                    | PDAL2/120AC60Hz | 1SCA111353R1001  | 0.15             |
| 208 V AC, 60 Hz                    | PDAL2/208AC60Hz | 1SCA107101R1001  | 0.15             |
| 230 V AC, 50 Hz                    | PDAL2/230AC50Hz | 1SCA107102R1001  | 0.15             |
| 240 V AC, 60 Hz                    | PDAL2/240AC60Hz | 1SCA111356R1001  | 0.15             |
| <b>DC coils</b>                    |                 |                  |                  |
| 24 V DC                            | PDAL2/24DC      | 1SCA106542R1001  | 0.15             |
| 48 V DC                            | PDAL2/48DC      | 1SCA107103R1001  | 0.15             |
| 60 V DC                            | PDAL2/60DC      | 1SCA107104R1001  | 0.15             |
| 110 V DC                           | PDAL2/110DC     | 1SCA107105R1001  | 0.15             |
| 125 V DC                           | PDAL2/125DC     | 1SCA111338R1001  | 0.15             |
| 220 V DC                           | PDAL2/220DC     | 1SCA112503R1001  | 0.15             |
| <b>Technical data for the coil</b> |                 |                  |                  |
| Operating voltage                  | -               | U=0.8...1.1 x Un | -                |
| Operating ambient temperature      | -               | -40° C...65° C   | -                |
| Power consumption                  | with AC         | 6.5 W            | -                |
| -                                  | with DC         | 9 VA             | -                |

#### Mounting accessories: DIN-rail mounting kit

For mounting a switch fuse into 35 mm DIN rail

#### Mounting accessories: DIN-rail mounting kit

| Suitable for switches | Type   | Order number    | Weight/unit [kg] |
|-----------------------|--------|-----------------|------------------|
| EOS930_....EOS9100_   | OSGZD1 | 1SCA115688R1001 | 0.20             |

## Accessories for non-fusible disconnect switches EOT9200\_....EOT9600\_

Ordering information for electrical interlocks



PDAL2

### Coils for OTZT\_ electrical interlocks

By installing a coil inside the housing of the interlock kit, the switch can be interlocked electrically in the OFF position or both in the OFF and ON positions. The electrical interlock works using the "closed circuit principle," meaning that when the control voltage is not connected to the coil, the switches provided with A-type interlocks cannot be turned to the ON position and switches with L-type interlocks cannot be turned to the ON or OFF positions.

### Coils for OTZT\_ electrical interlocks

| Suitable for switches              | Type                          | Order number    | Weight/<br>unit<br>kg |
|------------------------------------|-------------------------------|-----------------|-----------------------|
| <b>AC coils</b>                    |                               |                 |                       |
| 110 V AC, 50 Hz                    | PDAL2/110AC50Hz               | 1SCA106543R1001 | 0.15                  |
| 110 V AC, 60 Hz                    | PDAL2/110AC60Hz               | 1SCA107100R1001 | 0.15                  |
| 120 V AC, 60 Hz                    | PDAL2/120AC60Hz               | 1SCA111353R1001 | 0.15                  |
| 208 V AC, 60 Hz                    | PDAL2/208AC60Hz               | 1SCA107101R1001 | 0.15                  |
| 230 V AC, 50 Hz                    | PDAL2/230AC50Hz               | 1SCA107102R1001 | 0.15                  |
| 240 V AC, 60 Hz                    | PDAL2/240AC60Hz               | 1SCA111356R1001 | 0.15                  |
| <b>DC coils</b>                    |                               |                 |                       |
| 24 V DC                            | PDAL2/24DC                    | 1SCA106542R1001 | 0.15                  |
| 48 V DC                            | PDAL2/48DC                    | 1SCA107103R1001 | 0.15                  |
| 110 V DC                           | PDAL2/110DC                   | 1SCA107105R1001 | 0.15                  |
| 125 V DC                           | PDAL2/125DC                   | 1SCA111338R1001 | 0.15                  |
| 220 V DC                           | PDAL2/220DC                   | 1SCA112503R1001 | 0.15                  |
| <b>Technical data for the coil</b> |                               |                 |                       |
| Operating voltage                  | U = 0.8...1.1 x Un            |                 |                       |
| Operating ambient temperature      | -40° C...+65° C               |                 |                       |
| Power consumption                  | with AC 6.5 W<br>with DC 9 VA |                 |                       |

## Accessories for changeover switches

Ordering information for changeover switch accessories



OZXA33



OZXA32



OZXA38



OZXA39



OTZC13



OTZC14



OTZC23



OTZC24



OTZC33



OTZC34



OTZR\_

### Parallel connection kits for changeover switches

| For switches | Number of poles | Max. cable size mm <sup>2</sup> | Type | Order number | Weight/unit kg |
|--------------|-----------------|---------------------------------|------|--------------|----------------|
|--------------|-----------------|---------------------------------|------|--------------|----------------|

### Connection bars

Finger protected connection bars for parallel connection of incoming or outgoing terminals. The bars accept additional cables, the maximum size is stated below.

### Connection bars

|   |   |                                     |        |                 |      |
|---|---|-------------------------------------|--------|-----------------|------|
| EOT520_.....<br>EOT540_ (3P changeover) | - | 6 (fine stranded),<br>10 (stranded) | OZXA33 | 1SCA022685R0310 | 0.02 |
| EOT560_<br>EOT580_ (3P changeover)      | - | 25                                  | OZXA38 | 1SCA022785R2140 | 0.06 |
| EOT9100_ (3P changeover)                | - | 50                                  | OZXA40 | 1SCA022790R3910 | 0.16 |

### Bridging bars

The bridging bars provide a connection link either on the incoming or outgoing side of the changeover switch.

### Bridging bars

|          |        |   |        |                 |      |
|----------|--------|---|--------|-----------------|------|
| EOT9200_ | 3 pole | - | OTZC13 | 1SCA022767R6910 | 0.60 |
|          | 4 pole | - | OTZC14 | 1SCA022767R7040 | 0.80 |
| EOT9400_ | 3 pole | - | OTZC23 | 1SCA022767R7120 | 0.60 |
|          | 4 pole | - | OTZC24 | 1SCA022767R7210 | 0.80 |
| EOT9600_ | 3 pole | - | OTZC33 | 1SCA022785R7020 | 1.00 |
|          | 4 pole | - | OTZC34 | 1SCA022785R7110 | 1.30 |

### Reversing bars

A reversing switch can be built up by using phase sequence bars in two phases. The kit includes two phase sequence conversion bars. The missing bridging bars must be ordered separately. For example 3-pole switches: one 4-pole standard bridging bar kit is required (one bar for the reversing side, three bars for the other side).

### Reversing bars

|                          |   |   |       |                 |     |
|--------------------------|---|---|-------|-----------------|-----|
| EOT9200_ (3P changeover) | - | - | OTZR1 | 1SCA100352R1001 | 0.3 |
| EOT9400_ (3P changeover) | - | - | OTZR2 | 1SCA104647R1001 | 0.3 |
| EOT9600_ (3P changeover) | - | - | OTZR3 | 1SCA100355R1001 | 0.4 |

## OTDC XS-Series IEC and UL

### Technical data



OTDC16...32U\_

Technical data according to IEC 60947 for switch-disconnectors OTDC16...32U\_

| Switch size  |   |                 | OTDC16U   | OTDC25U   | OTDC32U   |         |
|--|---|-----------------|-----------|-----------|-----------|---------|
| Rated insulation voltage $U_i$                         | Pollution degree 2 <sup>1</sup>             | V               | 1250      | 1250      | 1250      |         |
|  | Pollution degree 3 <sup>1</sup>             | V               | 1000      | 1000      | 1000      |         |
| Rated impulse withstand voltage                        |   | kV              | 8         | 8         | 8         |         |
| Rated thermal current $I_{th}$                         | In open air, normal conditions <sup>2</sup> | A               | 40        | 50        | 63        |         |
|  | In enclosure 40°C                           | A               | 32        | 40        | 50        |         |
|  | In enclosure 60°C                           | A               | 25        | 32        | 40        |         |
| ...with cable or bar cross section                     | Cu  | mm <sup>2</sup> | 4         | 6         | 10        |         |
| Rated operational current DC-21B / Poles in series     | 660 V                                       | One circuit     | V         | 16/2P     | 25/2P     | 32/2P   |
|  |   | Two circuits    | V         | 16/2Px2   | 25/2Px2   | 32/2Px2 |
|  |   | Three circuits  | V         | 16/2Px3   | 25/2Px3   | 32/2Px3 |
|  | 1000 V <sup>3</sup>                         | One circuit     | V         | 10/2P     | 16/2P     | 20/2P   |
|  |   | Two circuits    | V         | 10/2Px2   | 16/2Px2   | 20/2Px2 |
|  |   | Three circuits  | V         | 10/2Px3   | 16/2Px3   | 20/2Px3 |
| Rated short-time withstand current, 1000 V, 1 s        | R.M.S.-value $I_{cw}$                       | kA              | 1,0       | 1,0       | 1,0       |         |
| Rated conditional short-circuit current $I_p$ (r.m.s.) | $I_p$ (r.m.s.), 1000 V                      | kA              | 10        | 10        | 10        |         |
|  | Max fuse size, gPV                          | A               | 80        | 80        | 80        |         |
| Power loss / pole                                      | At rated current                            | W               | 0,1       | 0,2       | 0,35      |         |
| Terminal cable size                                    | Cu  | mm <sup>2</sup> | 2.5...16  | 2.5...16  | 2.5...16  |         |
| Terminal tightening torque                             | Counter torque required                     | Nm              | 1.2...1.4 | 1.2...1.4 | 1.2...1.4 |         |

<sup>1</sup> When used with external handle. For use with direct mounted handle, see installation instruction.

<sup>2</sup> Normal conditions defined in IEC 60947-1, section 6.1.

<sup>3</sup> U and UT types only. (Not applicable for US nor UST)

### Technical data in accordance to UL508I for photovoltaic disconnect switches OTDC16...32U\_

Suitable for use in photovoltaic systems in accordance with article 690 of the NEC.

| Switch size                           |                         |                | OTDC16U   | OTDC25U   | OTDC32U   |         |
|---------------------------------------|-------------------------|----------------|-----------|-----------|-----------|---------|
| UL Listed                             | Standard                |                | UL508i    | UL508i    | UL508i    |         |
| Rated ambient temperature             |                         | °C             | -20...+60 | -20...+60 | -20...+60 |         |
| Rated current / Poles in series       | 600 V                   | One circuit    | A         | 16/2P     | 25/2P     |         |
|                                       |                         | Two circuits   | A         | 16/2Px2   | 25/2Px2   | 32/2Px2 |
|                                       |                         | Three circuits | A         | 16/2Px3   |           |         |
| Short circuit rating                  | 600 V                   | kA             | 5         | 5         | 5         |         |
| Protection type                       | Max fuse size, RK5 fuse | A              | 80        | 80        | 80        |         |
| Wire range                            |                         |                | AWG 12-6  | AWG 12-6  | AWG 12-6  |         |
| Technical data according to IEC 60947 | See IEC table for type  |                | OTDC16U   | OTDC25U   | OTDC32U   |         |

## OTDC XS-Series 16...32 A

Ordering information, IEC and UL



OTDC16...32F\_

### Switch-disconnectors OTDC XS-Series, base or DIN-rail mounting, IEC and UL

OTDC16...32U include IP20 protected terminal clamps.

#### Rated operational current [A]

| UL 508i                          | IEC 60947-3, DC-21B |        | Number of circuits | Circuit | Number of poles | Single packed |                 |
|----------------------------------|---------------------|--------|--------------------|---------|-----------------|---------------|-----------------|
|                                  | 600Vdc              | 660Vdc |                    |         |                 | 1000Vdc       | Type            |
| <b>Base or DIN-rail mounting</b> |                     |        |                    |         |                 |               |                 |
| 16                               | 16                  | 10     | 1                  | 2a, 2b  | 2               | OTDC16U2      | 1SCA134369R1001 |
| 25                               | 25                  | 16     | 1                  | 2a, 2b  | 2               | OTDC25U2      | 1SCA134375R1001 |
| 16                               | 16                  | 10     | 2                  | 4a, 4c  | 4               | OTDC16U4      | 1SCA134370R1001 |
| 25                               | 25                  | 16     | 2                  | 4a, 4c  | 4               | OTDC25U4      | 1SCA134377R1001 |
| 32                               | 32                  | 20     | 2                  | 4a, 4c  | 4               | OTDC32U4      | 1SCA136703R1001 |
| 16                               | 16                  | 10     | 3                  | 7a, 7e  | 6               | OTDC16U6      | 1SCA134371R1001 |
| <b>Door mounting</b>             |                     |        |                    |         |                 |               |                 |
| 16                               | 16                  | 10     | 1                  | 2a, 2b  | 2               | OTDC16UT2     | 1SCA134387R1001 |
| 25                               | 25                  | 16     | 1                  | 2a, 2b  | 2               | OTDC25UT2     | 1SCA134388R1001 |
| 16                               | 16                  | 10     | 2                  | 4a, 4c  | 4               | OTDC16UT4     | 1SCA134390R1001 |
| 25                               | 25                  | 16     | 2                  | 4a, 4c  | 4               | OTDC25UT4     | 1SCA134391R1001 |
| 32                               | 32                  | 20     | 2                  | 4a, 4c  | 4               | OTDC32UT4     | 1SCA136705R1001 |
| 16                               | 16                  | 10     | 3                  | 7a, 7e  | 6               | OTDC16UT6     | 1SCA134580R1001 |

The circuits can be found on page 9-94.

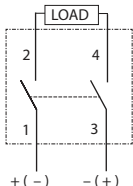
You can find the accessories starting from page 9-109.

## OTDC XS-Series circuits

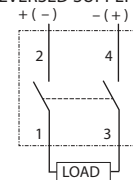
Ordering information, IEC and UL

### Single circuit 2a, 2b

2-pole, 4-wire, 1-circuit

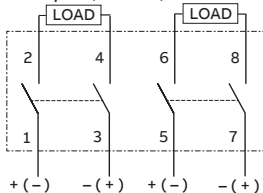


2-pole, 4-wire, 1-circuit  
REVERSED SUPPLY

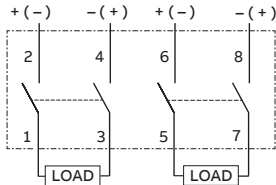


### Double circuit 4a, 4c

4-pole, 4-wire, 2-circuit

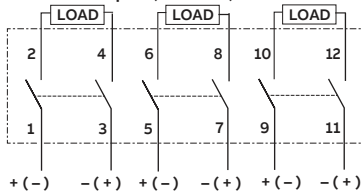


4-pole, 4-wire, 2-circuit  
REVERSED SUPPLY

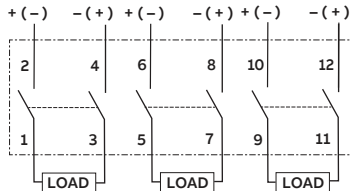


### Triple circuit 7a, 7e

6-pole, 12-wire, 3-circuit



6-pole, 12-wire, 3-circuit  
REVERSED SUPPLY

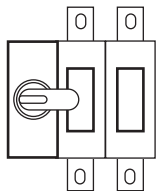


## Overview of product range OTDC S-Series

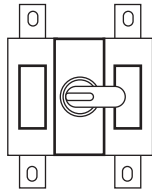
### Type codes and pole configuration table

#### Explanation of the types OTDC S1.0 and OTDC S2.0-Series from 100A up to 250A (IEC and UL98B)

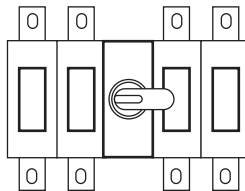
| OTDC   | 200 | G | V | 11 | S | -ESS   |
|--|-----|---|---|----|---|--|
| <b>ABB brand</b><br>DC switch-disconnector   |     |   |   |    |   | <b>Application</b><br>Blank = Short-circuit ratings ≤10kA<br>ESS = Short-circuit ratings >10kA   |
| <b>Switch size / Ampere rating</b><br>IEC = 100A, 160A, 200A, 250A<br>UL = 100A, 200A, 250A  |     |   |   |    |   | <b>Operation mode</b><br>Blank = Front operation (handle not included)<br>S = Side operation (handle not included)   |
| <b>Standard</b><br><b>OTDC S1.0-Series</b><br>E = IEC 60947<br>U = UL98B and IEC60947<br><b>OTDC S2.0-Series</b><br>G = IEC 60947<br>UG = UL98B and IEC60947 |     |   |   |    |   | <b>Number of poles</b><br>11 = Two poles, mechanism between the poles<br>02 = Two poles, mechanism at the end of the switch<br>22 = Four poles, mechanism between the poles<br>33 = Six poles, mechanism between the poles |
| <b>Voltage</b><br>Blank = 1000Vdc<br>V = 1500Vdc   |     |   |   |    |   |  |



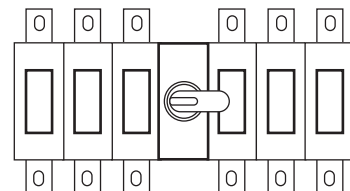
Configuration 02



Configuration 11



Configuration 22



Configuration 33

## OTDC S1.0-Series IEC and UL

### Technical data



OTDC100...250E/U\_

#### Technical data according to IEC 60947 for switch-disconnectors OTDC100...250E\_

| Switch size                                       |   |                 |               | OTDC100E | OTDC160E | OTDC200E | OTDC250E |     |
|---|---|-----------------|---------------|----------|----------|----------|----------|-----|
| Rated insulation voltage $U_i$                    | Pollution degree 3                          | V               |               | 1500     | 1500     | 1500     | 1500     |     |
| Rated impulse withstand voltage                   |   | kV              |               | 12       | 12       | 12       | 12       |     |
| Rated thermal current $I_{th}^2$                  | In open air, normal conditions <sup>1</sup> | A               |               | 100      | 160      | 200      | 250      |     |
|   | In enclosure 40°C                           | A               |               | 96       | 154      | 193      | 241      |     |
|   | In enclosure 50°C                           | A               |               | 89       | 142      | 177      | 222      |     |
|   | In enclosure 60°C                           | A               |               | 80       | 128      | 160      | 200      |     |
| ...with cable or bar cross section                | Cu  | mm <sup>2</sup> |               | 35       | 70       | 95       | 120      |     |
| Rated operational current DC-21B, poles in series | 1000 V                                      | 1 circuit       | 2P (1P+, 1P-) | A        | 100      | 160      | 200      | 250 |
|   |   | 2 circuits      | 4P (2P+, 2P-) | A        | 100      | 160      | 200      | 250 |
|   |   | 3 circuits      | 6P (3P+, 3P-) | A        | 100      | 160      | 200      |     |
| Rated short-time withstand current, 1000 V        | R.M.S. -value $I_{cw}$                      | 1s              | kA            | 5        | 5        | 5        | 5        |     |
|   |   | 0.1s            | kA            | 10       | 10       | 10       | 10       |     |
| Power loss / pole                                 | At rated current                            | W               |               | 2        | 4        | 6        | 9,5      |     |
| Terminal bolt size                                | Metric thread diameter x length             | mm              |               | M8x25    | M8x25    | M8x25    | M8x25    |     |
| Terminal tightening torque                        | Counter torque required                     | Nm              |               | 15...22  | 15...22  | 15...22  | 15...22  |     |

<sup>1</sup> Normal conditions defined in IEC 60947-1, section 6.1

<sup>2</sup> Ambient max. average 24h

#### Technical data in accordance to UL98B for photovoltaic disconnect switches OTDC100...200U\_

Suitable for use in photovoltaic systems in accordance with Article 690 of the NEC.

| Switch size                           |                        |            |               | OTDC100U        | OTDC200U        |     |
|---------------------------------------|------------------------|------------|---------------|-----------------|-----------------|-----|
| UL Listed                             | Standard               |            |               | UL98B           | UL98B           |     |
| Rated ambient temperature             |                        | °C         |               | -20...+50       | -20...+50       |     |
| Rated current                         | 1000 V                 | 1 circuit  | 2P (1P+, 1P-) | A               | 100             | 200 |
|                                       |                        | 2 circuits | 4P (2P+, 2P-) | A               | 100             | 200 |
|                                       |                        | 3 circuits | 6P (3P+, 3P-) | A               | 100             | 200 |
| Short circuit rating                  | 1000 V                 | kA         |               | 10              | 10              |     |
| Protection type                       |                        |            |               | Circuit breaker | Circuit breaker |     |
| Mechanical lug                        |                        |            |               | OZXA200         | OZXA200         |     |
| Wire range                            | Cu/Al                  |            |               | AWG 4-300MCM    | AWG 4-300MCM    |     |
| Tightening torque                     |                        | lb-in.     |               | 200             | 200             |     |
| Technical data according to IEC 60947 | See IEC table for type |            |               | OTDC160E        | OTDC250E        |     |

## OTDC S2.0-Series IEC and UL

### Technical data



OTDC100...250\_G\_

**Technical data in accordance to UL98B for photovoltaic disconnect switches OTDC100UG\_...250UG\_**  
Suitable for use in photovoltaic systems in accordance with Article 690 of the NEC.

| Switch size  |          |                        |                | OTDC100UG_ | OTDC200UG_   | OTDC250UG_        |
|--|----------|------------------------|----------------|------------|--------------|-------------------|
| UL Listed  | Standard |                        |                | UL98B      | UL98B        | UL98B             |
| Rated ambient temperature without derating               |          |                        |                | °C         | -20...+50    | -20...+50         |
| Rated current  | 1000 V   | 1 circuit              | 2P (1P+,1P-) A | 100        | 200          | 250               |
|  |          | 2 circuits             | 4P (2P+,2P-) A | 100        | 200          | 250               |
|  | 1500 V   | 1 circuit              | 2P (1P+,1P-) A | 100        | 200          | 250               |
|  |          | 2 circuits             | 4P (2P+,2P-) A | 100        | 200          | 250               |
| Short circuit rating<br>Required protection <sup>2</sup> | 1500 V   |                        |                | kA         | 10<br>Any    | 10<br>Any         |
| Mechanical lug   |          |                        |                | OZXA 100   | OZXA 200     | OZXA 252          |
| Wire range   |          |                        |                | AWG 14-2/0 | AWG 4-300MCM | 2 X AWG<br>14-2/0 |
| Tightening torque  |          |                        |                | lb-in.     | 35-50        | 200               |
| Technical data according to IEC 60947                    |          | See IEC table for type |                | OTDC160G_  | OTDC250G_    | OTDC250G_         |

<sup>1</sup> For more detailed derating please consult us. Installation condition may have an influence on the derating. The given deratings are references based on specific test setup.

<sup>2</sup> Any suitable PV fuse or PV circuit breaker

## OTDC S2.0-Series for higher short-circuit currents IEC and UL

### Technical data



OTDC100...250\_G\_

**Technical data in accordance to UL98B for photovoltaic disconnect switches OTDC100UG\_...250UG\_-ESS**  
 Suitable for use in photovoltaic systems in accordance with Article 690 of the NEC.

| Switch size                           |                                  | OTDC100UG_-ESS |               | OTDC200UG_-ESS |              | OTDC250UG_-ESS |                |
|---------------------------------------|----------------------------------|----------------|---------------|----------------|--------------|----------------|----------------|
| UL Listed                             | Standard                         | UL98B          |               | UL98B          |              | UL98B          |                |
| Rated ambient temperature             |                                  | °C -20...+50   |               | -20...+50      |              | -20...+50      |                |
| Rated current <sup>1</sup>            | 1000 V                           | 1 circuit      | 2P (1P+, 1P-) | A              | 100          | 200            | 250            |
|                                       |                                  | 2 circuits     | 4P (2P+, 2P-) | A              | 100          | 200            | 250            |
|                                       | 1500 V                           | 1 circuit      | 2P (1P+, 1P-) | A              | 100          | 200            | 250            |
|                                       |                                  | 2 circuits     | 4P (2P+, 2P-) | A              | 100          | 200            | 250            |
| Short circuit rating                  | 1500 V                           | R.M.S. -value  |               | kA             | 10           | 10             | 10             |
| Required protection <sup>2</sup>      |                                  |                |               | Any            | Any          | Any            | Any            |
| Short circuit rating                  | 1500 VDC                         |                |               | kA             | 30           | 30             | 30             |
| Required protection <sup>3</sup>      | Max. ETI fuse size gPV, L/R= 1ms |                |               | A              | 100          | 200            | 250            |
| Mechanical lug                        |                                  |                | OZXA 100      |                | OZXA 200     |                | OZXA 252       |
| Wire range                            |                                  |                | AWG 14-2/0    |                | AWG 4-300MCM |                | 2 X AWG 14-2/0 |
| Tightening torque                     |                                  |                | lb-in. 35-50  |                | 200          |                | 120            |
| Technical data according to IEC 60947 | See IEC table for type           |                |               | OTDC160G_      |              | OTDC250G_      | OTDC250G_      |

<sup>1</sup> For more detailed derating please consult us. Installation condition may influence on the derating. The given deratings are references based on specific test setup.

<sup>2</sup> Any suitable PV fuse or PV circuit breaker

<sup>3</sup> 100A Fuse manufacturer, size and type: ETI, Cat.no 004110 followed by 562, 593 or 608  
 200A Fuse manufacturer, size and type: ETI, Cat.no 004110 followed by 565, 596, 611, 566, 597 or 612  
 250A Fuse manufacturer, size and type: ETI, Cat.no 004110 followed by 567, 598 or 613

## OTDC S1.0-Series 100...250A

Ordering information, IEC and UL



OTDC100...250\_11

The OTDC S1.0-Series is specially designed for DC applications up to 1000Vdc in the current range from 100A up to 250A. The switch has one of the smallest physical footprints and lowest power losses in the market. Handles and shafts are not included.

### IEC ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |  | Number of Circuits | Circuit <sup>1</sup> | Number of poles | Single package Type <sup>2</sup> | Order number    |
|--|-------------------------------|--|--------------------|----------------------|-----------------|----------------------------------|-----------------|
|  | DC-21B                        |  |                    |                      |                 |                                  |                 |
| <b>Front operated, mechanism between the poles</b> |                               |  |                    |                      |                 |                                  |                 |
| 1000   | 100                           |  | 1                  | 2a, 2b               | 2               | OTDC100E11                       | 1SCA125821R1001 |
| 1000   | 160                           |  | 1                  | 2a, 2b               | 2               | OTDC160E11                       | 1SCA123745R1001 |
| 1000   | 200                           |  | 1                  | 2a, 2b               | 2               | OTDC200E11                       | 1SCA125626R1001 |
| 1000   | 250                           |  | 1                  | 2a, 2b               | 2               | OTDC250E11                       | 1SCA125865R1001 |
| 1000   | 100                           |  | 2                  | 4a, 4c               | 4               | OTDC100E22                       | 1SCA125824R1001 |
| 1000   | 160                           |  | 2                  | 4a, 4c               | 4               | OTDC160E22                       | 1SCA125844R1001 |
| 1000   | 200                           |  | 2                  | 4a, 4c               | 4               | OTDC200E22                       | 1SCA125856R1001 |
| 1000   | 250                           |  | 2                  | 4a, 4c               | 4               | OTDC250E22                       | 1SCA125869R1001 |
| 1000   | 100                           |  | 3                  | 7a, 7e               | 6               | OTDC100E33                       | 1SCA149066R1001 |
| 1000   | 160                           |  | 3                  | 7a, 7e               | 6               | OTDC160E33                       | 1SCA149065R1001 |
| 1000   | 200                           |  | 3                  | 7a, 7e               | 6               | OTDC200E33                       | 1SCA149067R1001 |

### UL ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |            | Number of Circuits | Circuit <sup>1</sup> | Number of poles | Single package Type <sup>2</sup> | Order number    |
|--|-------------------------------|------------|--------------------|----------------------|-----------------|----------------------------------|-----------------|
|  | UL98B                         | IEC60947-3 |                    |                      |                 |                                  |                 |
| <b>Front operated, mechanism between the poles</b> |                               |            |                    |                      |                 |                                  |                 |
| 1000   | 100                           | 100        | 1                  | 2a, 2b               | 2               | OTDC100U11                       | 1SCA123957R1001 |
| 1000   | 200                           | 200        | 1                  | 2a, 2b               | 2               | OTDC200U11                       | 1SCA123767R1001 |
| 1000   | 100                           | 100        | 2                  | 4a, 4c               | 4               | OTDC100U22                       | 1SCA126180R1001 |
| 1000   | 200                           | 200        | 2                  | 4a, 4c               | 4               | OTDC200U22                       | 1SCA126129R1001 |
| 1000   | 100                           | 100        | 3                  | 7a, 7e               | 6               | OTDC100U33                       | 1SCA149069R1001 |
| 1000   | 200                           | 200        | 3                  | 7a, 7e               | 6               | OTDC200U33                       | 1SCA149090R1001 |

<sup>1</sup> Please see floating circuit on page 9-91 and grounded circuits from page 9-117 – 9-118. Single circuit 1a and double circuit 3 with connection bar kit accessories.

<sup>2</sup> Phase barriers are included in types OTDC100...250\_22/33 - installation mandatory. You can find the accessories starting from page 9-109.

## OTDC S2.0-Series 100...250A

Ordering information, IEC and UL



OTDC100...250\_GV11

robust DC switch-disconnector for up to 1500V DC applications covering 100-250A current range. The new design has a more compact size, higher efficiency and higher performance.

The two-pole 1500V DC concept helps manufacturers improve system efficiency, reducing switch power losses up to 75%. The physical footprint is up to 70% smaller than other solutions in the market. The compact size of the new OTDC range makes it possible for manufacturers to reduce the size of enclosures. Handles, shafts or other hardware are not included.

### IEC ordering information

| Voltage [Vdc]  | Rated operational Current [A] |        | Number of |                      | Number of poles | Single package Type <sup>2</sup> | Order number    | Bulk package      |                 |
|--|-------------------------------|--------|-----------|----------------------|-----------------|----------------------------------|-----------------|-------------------|-----------------|
|  | DC-21B                        | DC-PV2 | Circuits  | Circuit <sup>1</sup> |                 |                                  |                 | Type <sup>3</sup> | Order number    |
| <b>Front operated, mechanism between the poles</b>       |                               |        |           |                      |                 |                                  |                 |                   |                 |
| 1500   | 100                           | 100    | 1         | 2a, 2b               | 2               | OTDC100GV11                      | 1SCA161932R1001 | OTDC100GV11/280   | 1SCA162002R1001 |
| 1500   | 160                           | 100    | 1         | 2a, 2b               | 2               | OTDC160GV11                      | 1SCA161933R1001 | OTDC160GV11/280   | 1SCA162004R1001 |
| 1500   | 200                           | 100    | 1         | 2a, 2b               | 2               | OTDC200GV11                      | 1SCA161938R1001 | OTDC200GV11/280   | 1SCA162005R1001 |
| 1500   | 250                           | 100    | 1         | 2a, 2b               | 2               | OTDC250GV11                      | 1SCA161996R1001 | OTDC250GV11/280   | 1SCA162007R1001 |
| 1500   | 100                           | 100    | 2         | 4a, 4c               | 4               | OTDC100GV22                      | 1SCA161976R1001 | -                 | -               |
| 1500   | 160                           | 100    | 2         | 4a, 4c               | 4               | OTDC160GV22                      | 1SCA161985R1001 | -                 | -               |
| 1500   | 200                           | 100    | 2         | 4a, 4c               | 4               | OTDC200GV22                      | 1SCA161989R1001 | -                 | -               |
| 1500   | 250                           | 100    | 2         | 4a, 4c               | 4               | OTDC250GV22                      | 1SCA161939R1001 | -                 | -               |
| <b>Side operated, mechanism at the end of the switch</b> |                               |        |           |                      |                 |                                  |                 |                   |                 |
| 1500   | 100                           | 100    | 1         | 2a, 2b               | 2               | OTDC100GV02S                     | 1SCA161974R1001 | -                 | -               |
| 1500   | 160                           | 100    | 1         | 2a, 2b               | 2               | OTDC160GV02S                     | 1SCA161982R1001 | -                 | -               |
| 1500   | 200                           | 100    | 1         | 2a, 2b               | 2               | OTDC200GV02S                     | 1SCA161986R1001 | -                 | -               |
| 1500   | 250                           | 100    | 1         | 2a, 2b               | 2               | OTDC250GV02S                     | 1SCA161995R1001 | -                 | -               |

### UL ordering information

| Voltage [Vdc]  | Rated operational Current [A] |            | Number of |                      | Number of poles | Single package Type <sup>2</sup> | Order number    | Bulk package      |                 |
|--|-------------------------------|------------|-----------|----------------------|-----------------|----------------------------------|-----------------|-------------------|-----------------|
|  | UL98B                         | IEC60947-3 | Circuits  | Circuit <sup>1</sup> |                 |                                  |                 | Type <sup>3</sup> | Order number    |
| <b>Front operated, mechanism between the poles</b>       |                               |            |           |                      |                 |                                  |                 |                   |                 |
| 1500   | 100                           | 160        | 1         | 2a, 2b               | 2               | OTDC100UGV11                     | 1SCA161978R1001 | OTDC100UGV11/280  | 1SCA162003R1001 |
| 1500   | 200                           | 250        | 1         | 2a, 2b               | 2               | OTDC200UGV11                     | 1SCA161991R1001 | OTDC200UGV11/280  | 1SCA162006R1001 |
| 1500   | 250                           | 250        | 1         | 2a, 2b               | 2               | OTDC250UGV11                     | 1SCA161942R1001 | OTDC250UGV11/280  | 1SCA162008R1001 |
| 1500   | 100                           | 160        | 2         | 4a, 4c               | 4               | OTDC100UGV22                     | 1SCA161981R1001 | -                 | -               |
| 1500   | 200                           | 250        | 2         | 4a, 4c               | 4               | OTDC200UGV22                     | 1SCA161994R1001 | -                 | -               |
| 1500   | 250                           | 250        | 2         | 4a, 4c               | 4               | OTDC250UGV22                     | 1SCA162001R1001 | -                 | -               |
| <b>Side operated, mechanism at the end of the switch</b> |                               |            |           |                      |                 |                                  |                 |                   |                 |
| 1500   | 100                           | 160        | 1         | 2a, 2b               | 2               | OTDC100UGV02S                    | 1SCA161977R1001 | -                 | -               |
| 1500   | 200                           | 250        | 1         | 2a, 2b               | 2               | OTDC200UGV02S                    | 1SCA161990R1001 | -                 | -               |
| 1500   | 250                           | 250        | 1         | 2a, 2b               | 2               | OTDC250UGV02S                    | 1SCA161940R1001 | -                 | -               |

\* Please consult us for 1000Vdc types

<sup>1</sup> Please see floating circuit on page 9-102 and the grounded circuits on page 9-117 - single circuit 1a and double circuit 3 with connection bar kit accessories.

<sup>2</sup> Phase barriers are included to pole configurations \_22/\_02 - Installation mandatory.

<sup>3</sup> Bulk package includes 280pcs of switches in FIN-pallet (LxWxH) 1200mm x 1000mm x 1200mm. The bulk package contains only switches and one installation instruction.

You can find the accessories starting from page 9-109.

## OTDC S2.0-Series 100...250A for higher short-circuit currents

Ordering information, IEC and UL



OTDC100...250\_GV11-ESS

Robust DC switch-disconnector for up to 1500V DC applications covering 100-250A current range. These new switches have higher short-circuit ratings. Handles and shafts are not included.

### IEC ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |        | Number of circuits | Circuit <sup>1</sup> | Number of poles | Type            | Single package  |
|--|-------------------------------|--------|--------------------|----------------------|-----------------|-----------------|-----------------|
|  | DC-21B                        | DC-PV2 |                    |                      |                 |                 | Order number    |
| <b>Front operated, mechanism between the poles</b> |                               |        |                    |                      |                 |                 |                 |
| 1500   | 100                           | 100    | 1                  | 2a, 2b               | 2               | OTDC100GV11-ESS | 1SCA161975R1001 |
| 1500   | 160                           | 100    | 1                  | 2a, 2b               | 2               | OTDC160GV11-ESS | 1SCA161983R1001 |
| 1500   | 200                           | 100    | 1                  | 2a, 2b               | 2               | OTDC200GV11-ESS | 1SCA161987R1001 |
| 1500   | 250                           | 100    | 1                  | 2a, 2b               | 2               | OTDC250GV11-ESS | 1SCA161997R1001 |

### UL ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |            | Number of circuits | Circuit <sup>1</sup> | Number of poles | Type             | Single package  |
|--|-------------------------------|------------|--------------------|----------------------|-----------------|------------------|-----------------|
|  | UL98B                         | IEC60947-3 |                    |                      |                 |                  | Order number    |
| <b>Front operated, mechanism between the poles</b> |                               |            |                    |                      |                 |                  |                 |
| 1500   | 100                           | 160        | 1                  | 2a, 2b               | 2               | OTDC100UGV11-ESS | 1SCA161979R1001 |
| 1500   | 200                           | 250        | 1                  | 2a, 2b               | 2               | OTDC200UGV11-ESS | 1SCA161992R1001 |
| 1500   | 250                           | 250        | 1                  | 2a, 2b               | 2               | OTDC250UGV11-ESS | 1SCA161999R1001 |

\* Please consult us for 1000 Vdc types

<sup>1</sup> Please see the floating circuit from page 9-102 and the grounded circuits from page 9-117 and 9-118- single circuit 1a and double circuit 3 with connection bar kit accessories.

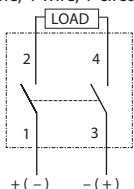
You can find the accessories starting from page 9-109.

## OTDC S1.0 and S2.0 circuits

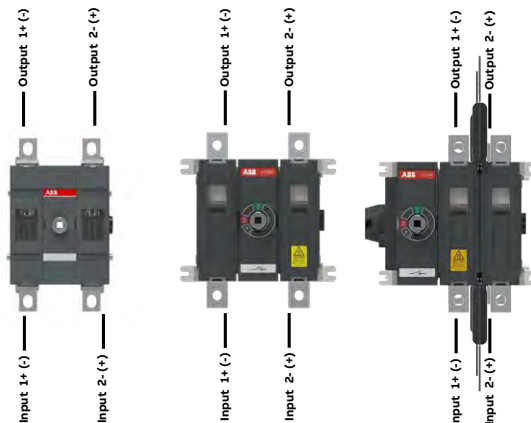
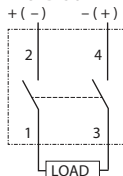
Ordering information, IEC and UL

### Single circuit 2a, 2b

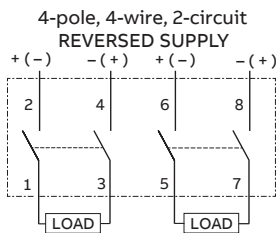
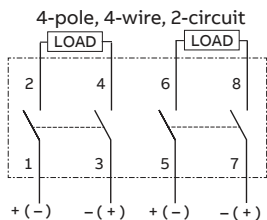
2-pole, 4-wire, 1-circuit



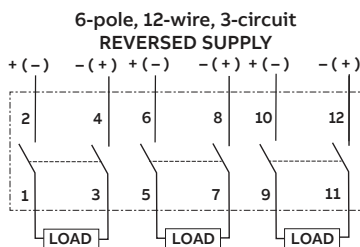
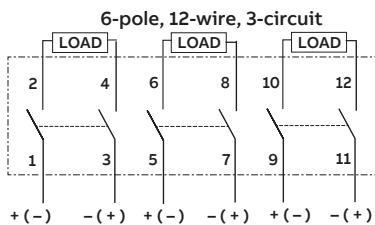
2-pole, 4-wire, 1-circuit  
REVERSED SUPPLY



### Double circuit 4a, 4c



### Triple circuit 7a, 7e

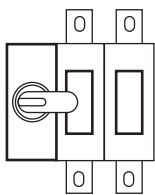


# Overview of product range OTDC M-Series

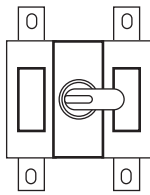
## Type codes and pole configuration table

Explanation of the types OTDC M-Series from 315A up to 1000A (IEC) and 250A up to 1000A (UL98B)

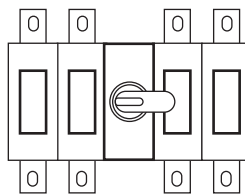
|                                    | OTDC  | 400 | UF | V | 11 | S | -ESS   |
|------------------------------------|---|-----|----|---|----|---|--|
| <b>ABB brand</b>                   | DC switch-disconnector  |     |    |   |    |   | <b>Application</b>                                 |
| <b>Switch size / Ampere rating</b> | IEC = 315A, 400A, 500A, 630A, 800A, 1000A<br>UL = 250A, 320A, 400A, 600A, 800A, 1000A |     |    |   |    |   | Blank = Rated short-time withstand current 10kA    |
| <b>Standard</b>                    | F = IEC 60947<br>UF = UL98B and IEC60947  |     |    |   |    |   | ESS = Rated condition short-circuit current >10kA  |
| <b>Voltage</b>                     | Blank = 1000Vdc<br>V = 1500Vdc  |     |    |   |    |   | W = 2000Vdc Ratings*                               |
|                                    |   |     |    |   |    |   | <b>Operation mode</b>                              |
|                                    |   |     |    |   |    |   | Blank = Front operation (handle not included)      |
|                                    |   |     |    |   |    |   | S = Side operation (handle not included)           |
|                                    |   |     |    |   |    |   | <b>Number of poles</b>                             |
|                                    |   |     |    |   |    |   | 11 = Two poles, mechanism between the poles        |
|                                    |   |     |    |   |    |   | 02 = Two poles, mechanism at the end of the switch |
|                                    |   |     |    |   |    |   | 21 = Three poles, mechanism between the poles      |
|                                    |   |     |    |   |    |   | 22 = Four poles, mechanism between the poles       |
|                                    |   |     |    |   |    |   | 33 = Six poles, mechanism between the poles        |



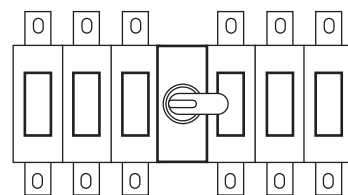
Configuration 02



Configuration 11



Configuration 22



Configuration 33

# OTDC M-Series UL

## Technical data



OTDC250...600UF\_11



OTDC800...1000UF\_22

**Technical data in accordance to UL98B for photovoltaic disconnect switches OTDC250U\_...1000UF\_**  
 Suitable for use in photovoltaic systems in accordance with Article 690 of the NEC.

| Switch size                           |                           |                            | OTDC250UF_         | OTDC320UF_         | OTDC400UF_         | OTDC600UF_         | OTDC800UF_22       | OTDC1000UF_22      |
|---------------------------------------|---------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| UL Listed                             | Standard                  |                            | UL98B              | UL98B              | UL98B              | UL98B              | UL98B              | UL98B              |
| Rated ambient temperature             |                           | °C                         | -20...+50          | -20...+50          | -20...+50          | -20...+50          | -20...+50          | -20...+50          |
| Rated current <sup>1</sup>            | 1000 V                    | 1 circuit 2P (1P+, 1P-) A  | 250                | 320                | 400                | 600                | 800 <sup>2</sup>   | 1000 <sup>2</sup>  |
|                                       |                           | 2 circuits 4P (2P+, 2P-) A | 250                | 320                | 400                | 600                | -                  | -                  |
|                                       | 1500 V                    | 1 circuit 2P (1P+, 1P-) A  | 250                | 320                | 400                | 600                | 800 <sup>2</sup>   | 1000 <sup>2</sup>  |
|                                       |                           | 2 circuits 4P (2P+, 2P-) A | 250                | 320                | 400                | 600                | -                  | -                  |
| 2000 V                                | 1 circuit 3P (2P+, 1P-) A | -                          | -                  | 400                | -                  | -                  | -                  |                    |
| Short circuit rating                  |                           |                            |                    |                    |                    |                    |                    |                    |
| Required protection <sup>3</sup>      | 1500 V                    | kA                         | 10<br>Any          | 10<br>Any          | 10<br>Any          | 10<br>Any          | 10<br>Any          | 10<br>Any          |
| Mechanical lug                        |                           |                            | OZXA 402           | OZXA 402           | OZXA 402           | OZXA 604           | OZXA 804           | OZXA 804           |
| Wire range                            |                           |                            | 2x AWG<br>6-300MCM | 2x AWG<br>6-300MCM | 2x AWG<br>6-300MCM | 4x AWG<br>6-300MCM | 4x AWG<br>2-600MCM | 4x AWG<br>2-600MCM |
| Tightening torque                     |                           | lb-in.                     | 275                | 275                | 275                | 275                | 500                | 500                |
| Technical data according to IEC 60947 |                           | See IEC table for type     | OTDC315F_          | OTDC400F_          | OTDC500F_          | OTDC630F_          | OTDC800F_22        | OTDC1000F_22       |

<sup>1</sup> For more detailed derating please consult us. Installation condition may influence on the derating. The given deratings are references based on specific test setup.

<sup>2</sup> 4-pole-types with 2-poles in parallel\_22 models, OTDCKIT800FS11 is included to the package and installation is mandatory

<sup>3</sup> Any suitable PV fuse or PV circuit breaker

## OTDC M-Series for higher short-circuit currents UL

### Technical data



OTDC250...400UF\_11-ESS



OTDC800...1000UF\_22-ESS

#### Technical data in accordance to UL98B for photovoltaic disconnect switches OTDC250\_...1000UF\_-ESS

Suitable for use in photovoltaic systems in accordance with article 690 of the NEC.

| Switch size   |                                   | OTDC<br>250UF_-ESS | OTDC<br>320UF_-ESS | OTDC<br>400UF_-ESS | OTDC<br>800UF_22-ESS | OTDC<br>1000UF_22-ESS |                     |                      |                   |
|---|-----------------------------------|--------------------|--------------------|--------------------|----------------------|-----------------------|---------------------|----------------------|-------------------|
| UL listed   | Standard                          | UL98B              | UL98B              | UL98B              | UL98B                | UL98B                 |                     |                      |                   |
| Rated ambient temperature<br>without de-rating <sup>1</sup> |                                   | °C                 | -20...+50 °C       | -20...+50 °C       | -20...+50 °C         | -20...+50 °C          |                     |                      |                   |
| Rated current   | 1000 V<br>1500 V                  | 1 circuit          | 2P                 | A                  | 250                  | 320                   | 400                 | 800 <sup>3</sup>     | 1000 <sup>3</sup> |
| Short-circuit rating  | 1500 V                            | R.M.S. -value      | kA                 | 10                 | 10                   | 10                    | 40                  | 40                   |                   |
| Required protection   |                                   |                    |                    | Any <sup>4</sup>   | Any <sup>4</sup>     | Any <sup>4</sup>      | Any <sup>4</sup>    | Any <sup>4</sup>     |                   |
| Short-circuit rating  | 1500 V                            |                    | kA                 | 30                 | 30                   | 30                    | -                   | -                    |                   |
| Required protection   | Max. ETI fuse size gPV, L/R= 1 ms |                    | A                  | 400 <sup>2</sup>   | 400 <sup>2</sup>     | 400 <sup>2</sup>      | -                   | -                    |                   |
| Mechanical lug  |                                   |                    |                    | OZXA 402           | OZXA 402             | OZXA 402              | OZXA 804            | OZXA 804             |                   |
| Wire range  | MCM                               |                    |                    | 2x AWG<br>6-300MCM | 2x AWG<br>6-300MCM   | 2x AWG<br>6-300MCM    | 4x AWG<br>2-600MCM  | 4x AWG<br>2-600MCM   |                   |
| Terminal tightening torque                                  |                                   |                    | lb-in.             | 275                | 275                  | 275                   | 500                 | 500                  |                   |
| Technical data according to<br>IEC 60947                    | See IEC table for type            |                    |                    | OTDC<br>315F_-ESS  | OTDC<br>400F_-ESS    | OTDC<br>500F_-ESS     | OTDC<br>800F_22-ESS | OTDC<br>1000F_22-ESS |                   |

<sup>1</sup> For more detailed derating please consult us. Installation condition may have an influence on the derating. The given deratings are references based on specific test setup.

<sup>2</sup> Fuse manufacturer, size and type: ETI, 400A, Cat.no 004110 followed by 632, 637 or 642. More details from the fuse manufacturer catalog.

<sup>3</sup> 4-pole-types with 2-poles in parallel\_22 models, OTDCKIT800FS11 is included in the package and installation is mandatory

<sup>4</sup> Any suitable PV fuse or PV circuit breaker

# OTDC M-Series 250...1000A

Ordering information, UL



OTDC 250...600UF\_11

Robust DC switch-disconnector for up to 2000V DC applications. The new design has a more compact size, higher efficiency and performance. The two-pole 1500V DC design that reduces switch power losses up to 50%. The physical footprint is up to 80% smaller than other solutions in the market. Handles and shafts are not included.

| Voltage [Vdc]  | Rated operational current [A] |            | Number of circuits | Circuit <sup>1</sup> | Number of poles | Single package Type <sup>2</sup> | Order number    |
|--|-------------------------------|------------|--------------------|----------------------|-----------------|----------------------------------|-----------------|
|  | UL98B                         | IEC60947-3 |                    |                      |                 |                                  |                 |
| <b>Front operated, mechanism between the poles</b>       |                               |            |                    |                      |                 |                                  |                 |
| 1000   | 250                           | 315        | 1                  | 2a, 2b               | 2               | OTDC250UF11                      | 1SCA158160R1001 |
| 1000   | 320                           | 400        | 1                  | 2a, 2b               | 2               | OTDC320UF11                      | 1SCA158184R1001 |
| 1000   | 400                           | 500        | 1                  | 2a, 2b               | 2               | OTDC400UF11                      | 1SCA158209R1001 |
| 1000   | 600                           | 630        | 1                  | 2a, 2b               | 2               | OTDC600UF11                      | 1SCA158233R1001 |
| 1000   | 800                           | 800        | 1                  | 6c, 6g               | 4               | OTDC800UF22                      | 1SCA161282R1001 |
| 1000   | 1000                          | 1000       | 1                  | 6c, 6g               | 4               | OTDC1000UF22                     | 1SCA161290R1001 |
| 1000   | 250                           | 315        | 2                  | 4a, 4c               | 4               | OTDC250UF22                      | 1SCA158292R1001 |
| 1000   | 320                           | 400        | 2                  | 4a, 4c               | 4               | OTDC320UF22                      | 1SCA158296R1001 |
| 1000   | 400                           | 500        | 2                  | 4a, 4c               | 4               | OTDC400UF22                      | 1SCA158300R1001 |
| 1000   | 600                           | 630        | 2                  | 4a, 4c               | 4               | OTDC600UF22                      | 1SCA158304R1001 |
| 1500   | 250                           | 800        | 1                  | 2a, 2b               | 2               | OTDC250UFV11                     | 1SCA158166R1001 |
| 1500   | 320                           | 630        | 1                  | 2a, 2b               | 4               | OTDC320UFV11                     | 1SCA158190R1001 |
| 1500   | 400                           | 800        | 1                  | 2a, 2b               | 4               | OTDC400UFV11                     | 1SCA158215R1001 |
| 1500   | 600                           | 315        | 1                  | 2a, 2b               | 2               | OTDC600UFV11                     | 1SCA158239R1001 |
| 1500   | 800                           | 800        | 1                  | 6c, 6g               | 4               | OTDC800UFV22                     | 1SCA161284R1001 |
| 1500   | 1000                          | 1000       | 1                  | 6c, 6g               | 4               | OTDC1000UFV22                    | 1SCA161292R1001 |
| 1500   | 250                           | 315        | 2                  | 4a, 4c               | 4               | OTDC250UFV22                     | 1SCA158293R1001 |
| 1500   | 320                           | 400        | 2                  | 4a, 4c               | 4               | OTDC320UFV22                     | 1SCA158297R1001 |
| 1500   | 400                           | 500        | 2                  | 4a, 4c               | 4               | OTDC400UFV22                     | 1SCA158301R1001 |
| 1500   | 600                           | 630        | 2                  | 4a, 4c               | 4               | OTDC600UFV22                     | 1SCA158305R1001 |
| 2000   | 400                           | 500        | 1                  | 3WA                  | 3               | OTDC400UFV21-WA                  | 1SCA162277R1001 |
| <b>Side operated, mechanism at the end of the switch</b> |                               |            |                    |                      |                 |                                  |                 |
| 1000   | 250                           | 315        | 1                  | 2a, 2b               | 2               | OTDC250UF02S                     | 1SCA161224R1001 |
| 1000   | 320                           | 400        | 1                  | 2a, 2b               | 2               | OTDC320UF02S                     | 1SCA161228R1001 |
| 1000   | 400                           | 500        | 1                  | 2a, 2b               | 2               | OTDC400UF02S                     | 1SCA161234R1001 |
| 1000   | 600                           | 630        | 1                  | 2a, 2b               | 2               | OTDC600UF02S                     | 1SCA161258R1001 |
| 1500   | 250                           | 315        | 1                  | 2a, 2b               | 2               | OTDC250UFV02S                    | 1SCA161243R1001 |
| 1500   | 320                           | 400        | 1                  | 2a, 2b               | 2               | OTDC320UFV02S                    | 1SCA161249R1001 |
| 1500   | 400                           | 500        | 1                  | 2a, 2b               | 2               | OTDC400UFV02S                    | 1SCA161256R1001 |
| 1500   | 600                           | 630        | 1                  | 2a, 2b               | 2               | OTDC600UFV02S                    | 1SCA161264R1001 |

<sup>1</sup> Circuit connection 6c, 6g - Connection bar kit OTDCKIT800F511 included with the package - Installation mandatory  
Please see floating circuit on page 9-108 and the grounded circuits on page 9-117 – 9-118. Single circuit 1a and double circuit 3 with connection bar kit accessories.

<sup>2</sup> Phase barriers are included to pole configurations \_22/\_02 - Installation mandatory.  
You can find the accessories starting from page 9-109.

## OTDC M-Series 250...1000A for higher short-circuit current

Ordering information, IEC and UL



OTDC315\_630\_F\_11-ESS

Robust DC switch-disconnector for up to 1500V DC applications covering 315-1000A (IEC) and 250-1000A (UL) current range. The new design offers higher short-circuit ratings for the OTDC switches up to 100kA. Handles and shafts are not included.

### IEC ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |        | Number of circuits | Circuit <sup>1</sup> | Number of poles | Single package Type | Order number    |
|--|-------------------------------|--------|--------------------|----------------------|-----------------|---------------------|-----------------|
|  | DC-21B                        | DC-PV2 |                    |                      |                 |                     |                 |
| <b>Front operated, mechanism between the poles</b> |                               |        |                    |                      |                 |                     |                 |
| 1000   | 315                           | 315    | 1                  | 2a, 2b               | 2               | OTDC315F11-ESS      | 1SCA158173R1001 |
| 1000   | 400                           | 400    | 1                  | 2a, 2b               | 2               | OTDC400F11-ESS      | 1SCA158197R1001 |
| 1000   | 500                           | 500    | 1                  | 2a, 2b               | 2               | OTDC500F11-ESS      | 1SCA158221R1001 |
| 1000   | 630                           | 500    | 1                  | 2a, 2b               | 2               | OTDC630F11-ESS      | 1SCA158245R1001 |
| 1000   | 800                           | -      | 1                  | 6c, 6g               | 4               | OTDC800F22-ESS      | 1SCA161279R1001 |
| 1000   | 1000                          | -      | 1                  | 6c, 6g               | 4               | OTDC1000F22-ESS     | 1SCA161287R1001 |
| 1500   | 315                           | 315    | 1                  | 2a, 2b               | 2               | OTDC315FV11-ESS     | 1SCA158179R1001 |
| 1500   | 400                           | 400    | 1                  | 2a, 2b               | 2               | OTDC400FV11-ESS     | 1SCA158203R1001 |
| 1500   | 500                           | 500    | 1                  | 2a, 2b               | 2               | OTDC500FV11-ESS     | 1SCA158227R1001 |
| 1500   | 630                           | 500    | 1                  | 2a, 2b               | 2               | OTDC630FV11-ESS     | 1SCA158251R1001 |
| 1500   | 800                           | -      | 1                  | 6c, 6g               | 4               | OTDC800FV22-ESS     | 1SCA161281R1001 |
| 1500   | 1000                          | -      | 1                  | 6c, 6g               | 4               | OTDC1000FV22-ESS    | 1SCA161289R1001 |

### UL ordering information

| Voltage [Vdc]                                      | Rated operational current [A] |            | Number of circuits | Circuit <sup>1</sup> | Number of poles | Single package Type | Order number    |
|--|-------------------------------|------------|--------------------|----------------------|-----------------|---------------------|-----------------|
|  | UL98B                         | IEC60947-3 |                    |                      |                 |                     |                 |
| <b>Front operated, mechanism between the poles</b> |                               |            |                    |                      |                 |                     |                 |
| 1000   | 250                           | 315        | 1                  | 2a, 2b               | 2               | OTDC250UF11-ESS     | 1SCA158161R1001 |
| 1000   | 320                           | 400        | 1                  | 2a, 2b               | 2               | OTDC320UF11-ESS     | 1SCA158185R1001 |
| 1000   | 400                           | 500        | 1                  | 2a, 2b               | 2               | OTDC400UF11-ESS     | 1SCA158210R1001 |
| 1000   | 800                           | 800        | 1                  | 6c, 6g               | 4               | OTDC800UF22-ESS     | 1SCA161283R1001 |
| 1000   | 1000                          | 1000       | 1                  | 6c, 6g               | 4               | OTDC1000UF22-ESS    | 1SCA161291R1001 |
| 1500   | 250                           | 800        | 1                  | 2a, 2b               | 2               | OTDC250UFV11-ESS    | 1SCA158167R1001 |
| 1500   | 320                           | 630        | 1                  | 2a, 2b               | 4               | OTDC320UFV11-ESS    | 1SCA158191R1001 |
| 1500   | 400                           | 800        | 1                  | 2a, 2b               | 4               | OTDC400UFV11-ESS    | 1SCA158216R1001 |
| 1500   | 800                           | 800        | 1                  | 6c, 6g               | 4               | OTDC800UFV22-ESS    | 1SCA161285R1001 |
| 1500   | 1000                          | 1000       | 1                  | 6c, 6g               | 4               | OTDC1000UFV22-ESS   | 1SCA161293R1001 |

<sup>1</sup> Circuit connection 6c, 6g - Connection bar kit OTDCKIT800FS11 included with the package - Installation mandatory

Please see floating circuit on page 9-108 and the grounded circuits on page 9-117 – 9-118. Single circuit 1a and double circuit 3 with connection bar kit accessories.

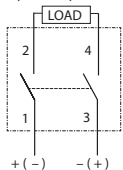
You can find the accessories starting from page 9-109.

# OTDC M circuits IEC and UL

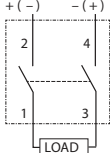
Ordering information, IEC and UL

## Single circuit 2a, 2b

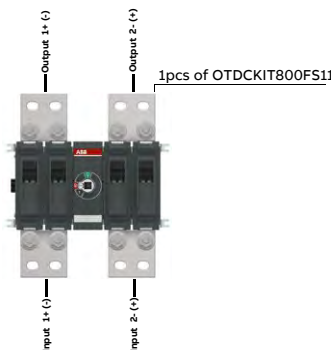
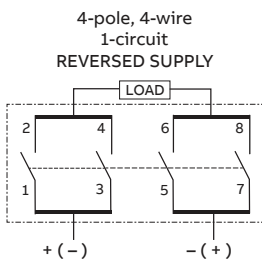
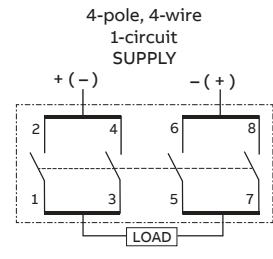
2-pole, 4-wire, 1-circuit



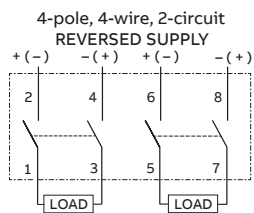
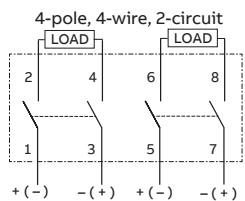
2-pole, 4-wire, 1-circuit  
REVERSED SUPPLY



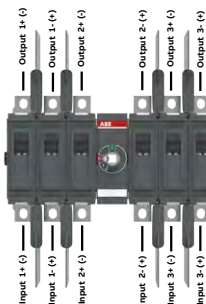
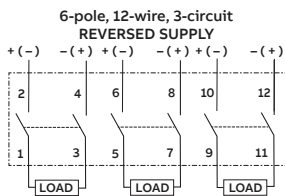
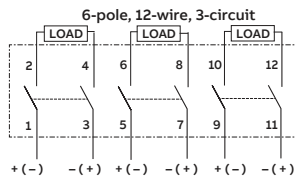
## Single circuit 6c, 6g



## Double circuit 4a, 4c



## Triple circuit 7a, 7e



## DC switch-disconnectors accessory guide

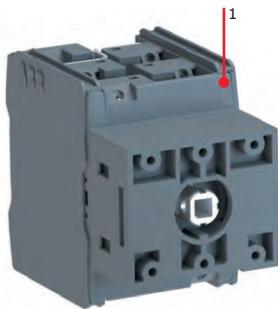
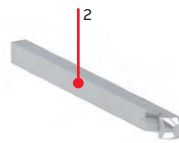
### XS-Series

1. Switch-disconnector
2. Shaft
3. Selector handle (options for direct mount or external mount with a shaft available)
4. Legend plate

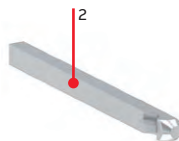
Please note that not all listed accessories are automatically included in your order.  
See next page for recommendations.



Base mounted



Door mounted



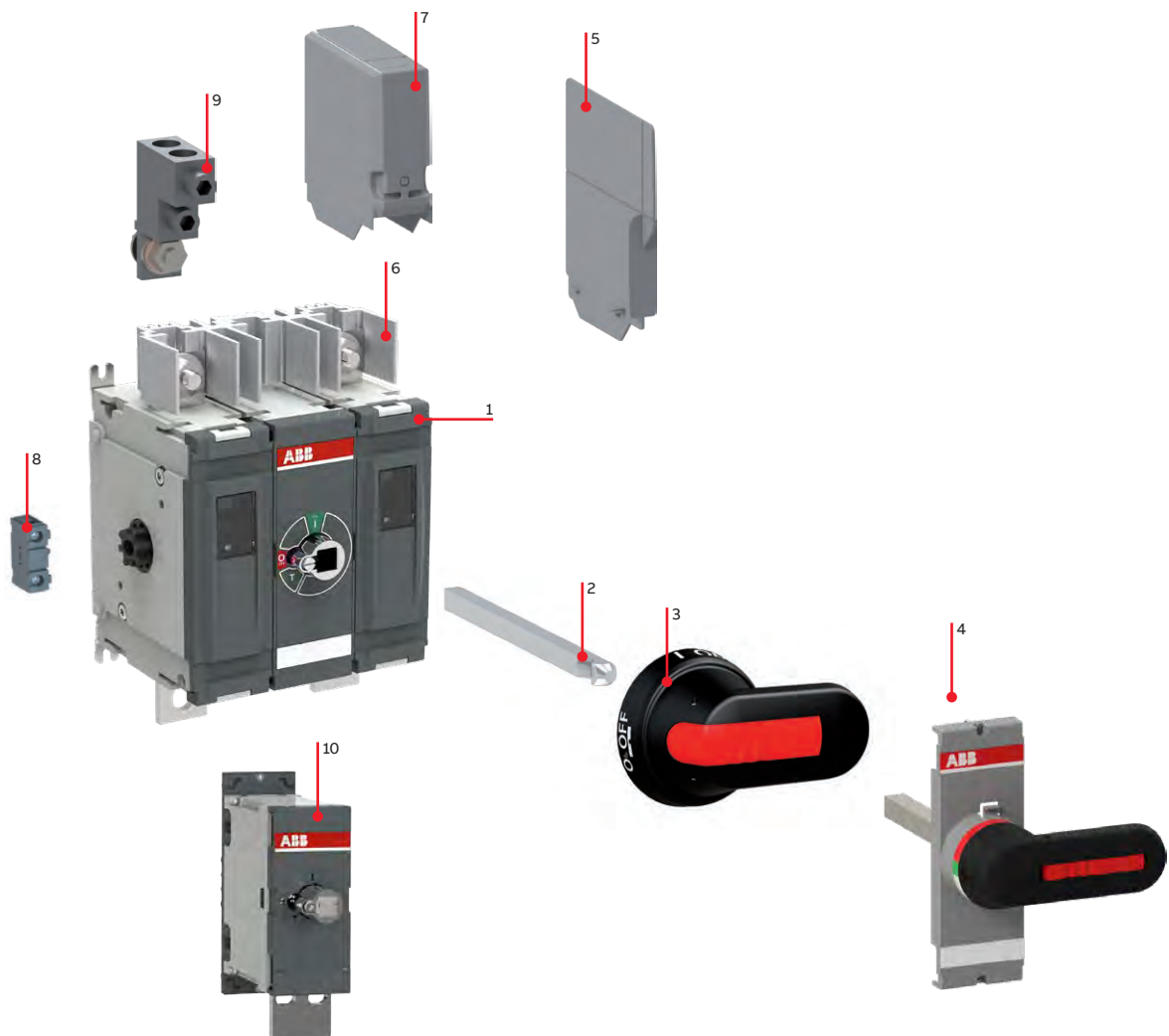
NOTE: The information in this image applies to both IEC and UL versions of the depicted product.

## DC switch-disconnectors accessory guide

### S and M-Series

1. Switch-disconnector
2. Shaft
3. Pistol handle
4. Direct mount handle
5. Phase barrier
6. Connection bar
7. Shroud
8. Auxiliary contact
9. Mechanical lug
10. Mechanical & Electrical interlock

Please note that not all listed accessories are automatically included in your order.  
See next page for recommendations.



## Ordering information for accessories IEC and UL

### Handle knobs



OHBS1



OHRS2



OHRS3

#### Handle knobs for base and DIN rail mounted switches

Mounting directly to the switch, no shaft needed, for base and DIN-rail mounted switches. Padlockable with one padlock with bail diameter 5 mm, see the table below. OTDC16...32F\_ types already include knob handles in the delivery. For OTDC16...32U\_ types, knob handles need to be ordered separately.

| Color                                     | Handle length [mm] | Type    | Order number    |
|---|--------------------|---------|-----------------|
| <b>Suitable for switches OTDC16...32_</b> |                    |         |                 |
| Black                                     | 31                 | OHBS1   | 1SCA109087R1001 |
| Black                                     | 31                 | OHBS1/1 | 1SCA109088R1001 |
| Red                                       | 31                 | OHRS1   | 1SCA109095R1001 |
| Red                                       | 31                 | OHRS1/1 | 1SCA109096R1001 |
| Black                                     | 40                 | OHBS2   | 1SCA109089R1001 |
| Black                                     | 40                 | OHBS2/1 | 1SCA109090R1001 |
| Red                                       | 40                 | OHRS2   | 1SCA108598R1001 |
| Red                                       | 40                 | OHRS2/1 | 1SCA108599R1001 |
| Black                                     | 39                 | OHBS3   | 1SCA108320R1001 |
| Black                                     | 39                 | OHBS3/1 | 1SCA108319R1001 |
| Red                                       | 39                 | OHRS3   | 1SCA108667R1001 |
| Red                                       | 39                 | OHRS3/1 | 1SCA108688R1001 |

#### Special information for handle knobs

| Handle type    | Padlockable | Shaft through the handle | 45 mm cut-out enable <sup>1</sup> |
|----------------|-------------|--------------------------|-----------------------------------|
| OHBS1_, OHRS1_ | No          | No                       | Yes                               |
| OHBS2_, OHRS2_ | Yes         | No                       | Yes                               |
| OHBS3_, OHRS3_ | No          | No                       | Yes                               |

<sup>1</sup> In I-position, the handle shall remain within the cut-out height

## Ordering information for accessories IEC and UL

### Selector handles and shafts



OHBS3PH



OHBS2PJ



OHYS3RH



OHYS2RJ



OHBS3



OHBS2



OX56X\_

#### Selector handles, for door mounted OTDC16...32\_T

Indication I-O and ON-OFF. No separate shaft needed.

| Color   | Padlocking              | Degree of protection               | Type    | Order number    |
|---|-------------------------|------------------------------------|---------|-----------------|
| <b>Snap-on mounting, door drilling 22,5 mm, for OTDC16...32_T</b> |                         |                                    |         |                 |
| Black   | No padlocking           | IP54, NEMA 1                       | OHBS1PH | 1SCA105211R1001 |
| Red-Yellow  | No padlocking           | IP54, NEMA 1                       | OHYS1PH | 1SCA105294R1001 |
| Black   | Yes with 1 padlock      | IP54, NEMA 1                       | OHBS3PH | 1SCA105236R1001 |
| Red-Yellow  | Yes with 1 padlock      | IP54, NEMA 1                       | OHYS3PH | 1SCA105327R1001 |
| Black   | Yes with max.3 padlocks | IP65, NEMA 1, 3R, 12               | OHBS2PJ | 1SCA105231R1001 |
| Red-Yellow  | Yes with max.3 padlocks | IP65, NEMA 1, 3R, 12               | OHYS2PJ | 1SCA105322R1001 |
| <b>Screw mounting, hole distance 36 mm, for OTDC16...32_T</b>     |                         |                                    |         |                 |
| Black   | No padlocking           | IP54, NEMA 1                       | OHBS1RH | 1SCA105212R1001 |
| Red-Yellow  | No padlocking           | IP54, NEMA 1                       | OHYS1RH | 1SCA105295R1001 |
| Black   | Yes with 1 padlock      | IP54, NEMA 1                       | OHBS3RH | 1SCA105237R1001 |
| Red-Yellow  | Yes with 1 padlock      | IP54, NEMA 1                       | OHYS3RH | 1SCA105328R1001 |
| Black   | Yes with max.3 padlocks | IP65 <sup>1</sup> , NEMA 1, 3R, 12 | OHBS2RJ | 1SCA105232R1001 |
| Red-Yellow  | Yes with max.3 padlocks | IP65 <sup>1</sup> , NEMA 1, 3R, 12 | OHYS2RJ | 1SCA105323R1001 |

<sup>1</sup> hole distance 36/48 mm

#### Selector handles for base and DIN-rail mounted OTDC16...32\_

Indication I-O and ON-OFF, for shaft diameter 6 mm, door drilling 22.5 mm. Shafts are not included

| Color                                  | Padlocking and door interlock  | Degree of Protection | Type       | Order number    |
|--|--|----------------------|------------|-----------------|
| Black                                  | No padlocking  | IP54, NEMA 1         | OHBS1AH    | 1SCA102680R1001 |
| Black                                  | No padlocking, door interlocking in ON-position  | IP54, NEMA 1         | OHBS1AH1   | 1SCA105210R1001 |
| Black                                  | With 1 padlock (bail diameter 5...6.3 mm)  | IP54, NEMA 1         | OHBS3AH    | 1SCA105234R1001 |
| Black                                  | With 1 padlock (bail diameter 5...6.3 mm), door interlocking in ON-position                  | IP54, NEMA 1         | OHBS3AH1   | 1SCA105235R1001 |
| Black                                  | With max.3 padlocks (bail diameter 5...8mm), door interlocking in ON-position, defetable     | IP65, NEMA 1, 3R, 12 | OHBS2AJ    | 1SCA105213R1001 |
| Black                                  | With max.3 padlocks (bail diameter 5...8mm), door interlocking in ON-position                | IP65, NEMA 1, 3R, 12 | OHBS2AJ1   | 1SCA105215R1001 |
| <b>Selector handle with metal hasp</b> |  |                      |            |                 |
| Black                                  | With max.3 padlocks (bail diameter 5...8mm), door interlocking in ON-position, defetable     | IP65, NEMA 1, 3R, 12 | OHBS2AJEH  | 1SCA108230R1001 |
| Black                                  | With max.3 padlocks (bail diameter 5...8mm), door interlocking in ON-position, non-defetable | IP65, NEMA 1, 3R, 12 | OHBS2AJ1EH | 1SCA105217R1001 |

Door interlocking in ON-position prevents the door from opening when the handle is in ON-position. This can be defeated in IP65 types to allow authorized personnel access for inspection. The padlocked handle is not defeatable.

#### Shafts for selector handles

| Shaft length [mm]   | H [mm] | Type     | Order number    |
|---|--------|----------|-----------------|
| <b>Suitable for switches OTDC16...32_ shaft diameter 6 mm</b> |        |          |                 |
| 85  |        | OX56X85  | 1SCA101647R1001 |
| 105   |        | OX56X105 | 1SCA108043R1001 |
| 120   |        | OX56X120 | 1SCA101654R1001 |
| 130   |        | OX56X130 | 1SCA101655R1001 |
| 160   |        | OX56X160 | 1SCA101656R1001 |
| 180   |        | OX56X180 | 1SCA101659R1001 |
| 250   |        | OX56X250 | 1SCA101660R1001 |

## Ordering information for accessories IEC and UL Handles



OTDV200GK



OTDV400FK1



OHB\_

### Direct mount handles for front operated OTDC switch-disconnectors

Indication Test-OFF-ON/Test-O-I. Padlockable with three padlocks in OFF-position. Includes shaft and mechanism cover.

| Color      | Handle length [mm] | Suitable for switches          | Type       | Order number    |
|------------|--------------------|--------------------------------|------------|-----------------|
| Black      | 65                 | OTDC S1.0 - OTDC100...250E_    | OTDV250EK  | 1SCA127390R1001 |
| Red-Yellow |                    | OTDC100...200U_                | OTDVY250EK | 1SCA127391R1001 |
| Black      | 65                 | OTDC S2.0 - OTDC100...250G_    | OTDV200GK  | 1SCA161864R1001 |
|            |                    | OTDC100...250UG_               |            |                 |
| Black      | 95                 | OTDC M - OTDC315...1000F_      | OTDV400FK1 | 1SCA157315R1001 |
| Black      | 145                | OTDC250...1000UF_ <sup>1</sup> | OTDV400FK2 | 1SCA157316R1001 |

<sup>1</sup> Recommend length: 95 mm for 2-pole configuration, 145 mm for 4- and 6-pole configurations.

### Pistol handles OH\_ handles for front operation: IP 65, NEMA 1,3R, 12

Padlockable with three padlocks in OFF-position, door interlock in ON-position. Screw fixing from the back side of the handle ensures double insulation.

| Color  | Handle length [mm] | Shaft diameter | Suitable for switches        | Type      | Order number    |
|--|--------------------|----------------|------------------------------|-----------|-----------------|
| <b>Indication in types OHB and OHY: I-0, ON-OFF, in types OHG: I-0</b> |                    |                |                              |           |                 |
| Black  | 65                 | 6              | OTDC S1.0 - OTDC100...250E_  | OHB65J6   | 1SCA022380R9660 |
| Red-Yellow   | 65                 | 6              | OTDC100...245U_              | OHY65J6   | 1SCA022380R9820 |
| Grey   | 65                 | 6              | OTDC S2.0 - OTDC100...250G_  | OHG65J6   | 1SCA022380R9740 |
|  |                    |                | OTDC100...250UG_             |           |                 |
| Black  | 95                 | 12             |                              | OHB95J12  | 1SCA022381R0830 |
| Red-Yellow   | 95                 | 12             |                              | OHY95J12  | 1SCA022381R1050 |
| Grey   | 95                 | 12             |                              | OHG95J12  | 1SCA022381R0910 |
| Black  | 125                | 12             |                              | OHB125J12 | 1SCA022381R1560 |
| Yellow-red   | 125                | 12             | OTDC M2.0 - OTDC315...1000F_ | OHY125J12 | 1SCA022381R1720 |
| Grey   | 125                | 12             | OTDC250...1000UF_            | OHG125J12 | 1SCA022381R1640 |
| Black  | 145                | 12             |                              | OHB145J12 | 1SCA022381R2110 |
| Yellow-red   | 145                | 12             |                              | OHY145J12 | 1SCA022381R2370 |
| Grey   | 145                | 12             |                              | OHG145J12 | 1SCA022381R2290 |

#### Indication: Test-OFF-ON/Test-O-I

|       |     |    |                              |            |                 |
|-------|-----|----|------------------------------|------------|-----------------|
| Black | 65  | 6  | OTDC S1.0 - OTDC100...250E_  | OHB65J6T   | 1SCA022399R8110 |
|       |     |    | OTDC100...245U_              |            |                 |
|       |     |    | OTDC S2.0 - OTDC100...250G_  |            |                 |
| Black | 95  | 12 | OTDC M2.0 - OTDC315...1000F_ | OHB95J12T  | 1SCA022736R1750 |
| Black | 125 | 12 | OTDC250...1000UF_            | OHB125J12T | 1SCA022652R2220 |

Door interlocking in ON-position prevents the door from opening when the handle is in ON-position. This can be defeated in IP65 types to allow authorized personnel access for inspection. NEMA 4, 4x pistol handles available on request. Handles padlockable in all positions available on request.

### Stainless steel pistol handles OHM\_ for front operation: IP 66, NEMA 4X

IP66 (NEMA 4X). Material: AISI 316. Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position.

| Color                                   | Handle length [mm] | Shaft diameter | Suitable for switches        | Type      | Order number    |
|---|--------------------|----------------|------------------------------|-----------|-----------------|
| <b>Indication in types: I-0, ON-OFF</b> |                    |                |                              |           |                 |
| Grey                                    | 65                 | 6              | OTDC S1.0 - OTDC100...250E_  | OHM65L6   | 1SCA022739R1070 |
|   |                    |                | OTDC100...245U_              |           |                 |
|   |                    |                | OTDC S2.0 - OTDC100...250G_  |           |                 |
| Grey                                    | 125                | 12             | OTDC M2.0 - OTDC315...1000F_ | OHM125L12 | 1SCA022739R1150 |

## Ordering information for accessories IEC and UL

### Handles and shafts



OHB\_

**Pistol handles OH\_ handles for side operation: IP 65, NEMA 1,3R, 12**

For mounting on the side of the enclosure. Padlockable with three padlocks in OFF-position, door interlock in ON-position. The position indications are rotated 90°.

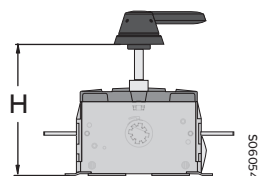
| Color  | Handle length [mm] | Shaft diameter | Suitable for switches                           | Type          | Order number    |
|--|--------------------|----------------|---|---------------|-----------------|
| <b>Indication in types OHB and OHY: I-O/ON-OFF</b> |                    |                |   |               |                 |
| Black  | 65                 | 6              | OTDC S2.0 - OTDC100...250G_<br>OTDC100...250UG_ | OHB65J6E00S   | 1SCA022382R9850 |
| Red-yellow   | 65                 | 6              |   | OHY65J6E00S   | 1SCA022382R9930 |
| Black  | 145                | 12             | OTDC M2.0 - OTDC315...630F_<br>OTDC250...600UF_ | OHB145J12E00S | 1SCA022679R9700 |
| <b>Indication in type OHB : Test/I-O/ON-OFF</b>    |                    |                |   |               |                 |
| Black  | 65                 | 6              | OTDC S2.0 - OTDC100...250G_<br>OTDC100...250UG_ | OHB65J6TE00S  | 1SCA109016R1001 |

**Shafts for pistol handles**



OXP6X

| Shaft length [mm]   | Mounting depth H [mm] |           | Type      | Order number    |
|---|-----------------------|-----------|-----------|-----------------|
|   | OTDC S1.0             | OTDC S2.0 |           |                 |
| <b>Suitable for switches OTDC S1.0 and OTDC S2.0, shaft diameter 6 mm</b>                       |                       |           |           |                 |
| 130   | 109...174             | 120...188 | OXP6X130  | 1SCA022057R0570 |
| 150   | 129...194             | 140...208 | OXP6X150  | 1SCA022295R5600 |
| 161   | 140...205             | 151...219 | OXP6X161  | 1SCA022067R1760 |
| 210   | 189...254             | 200...268 | OXP6X210  | 1SCA022295R6080 |
| <b>Suitable for switches OTDC M - OTDC315...1000F_, OTDC250...1000UF_, shaft diameter 12 mm</b> |                       |           |           |                 |
| 166   | 146...226             | -         | OXP12X166 | 1SCA022325R7100 |
| 185   | 165...255             | -         | OXP12X185 | 1SCA022325R6710 |
| 250   | 230...310             | -         | OXP12X250 | 1SCA022325R6980 |
| 280   | 260...340             | -         | OXP12X280 | 1SCA022137R5140 |
| 325   | 305...385             | -         | OXP12X325 | 1SCA022042R5810 |
| 395   | 445...525             | -         | OXP12X395 | 1SCA022042R5990 |
| 465   | 439...519             | -         | OXP12X465 | 1SCA022042R6020 |
| 535   | 515...595             | -         | OXP12X535 | 1SCA022042R6110 |



OXP\_X\_

Longer shafts available on request  
 Recommend shafts: 210 mm shaft for OTDC S1.0 and S2.0-Series, 185mm shaft for OTDC M-Series.

## Ordering information for accessories IEC and UL

### Phase barriers and terminal shroud kits



OTDCB250/2



OTDCB200G/2



OTDCB400F/2



OTS250G1L



OTS250T1L



OTCS200GG1



OTDCS400FG1

#### Phase barrier kit

Plastic phase separators for maintaining 1" clearance between the phases without terminal shrouds. Snap-on mounting. Phase barriers included as standard in OTDC switches with pole configuration 02/20/22/33, installation is mandatory.

| Color | Suitable for switches                           | Type        | Order number    | Pieces/Package |
|-------|---|-------------|-----------------|----------------|
| White | OTDC S1.0 - OTDC100...250E_<br>OTDC100...200U_  | OTDCB250/2  | 1SCA148901R1001 | 2              |
| Grey  | OTDC S2.0 - OTDC100...250G_<br>OTDC100...200UG_ | OTDCB200G/2 | 1SCA161883R1001 | 2              |
| Grey  | OTDC M - OTDC315...1000F_<br>OTDC250...1000UF_  | OTDCB400F/2 | 1SCA157314R1001 | 2              |

#### Terminal shroud kit

Plastic terminal shrouds. The terminal shroud kits for OTDC S2.0 and OTDC M-Series can be used with UL mechanical lugs.

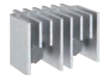
| Color       | Suitable for switches                           | Type        | Order number    | Pieces/Package |
|-------------|---|-------------|-----------------|----------------|
| Grey        | OTDC S1.0 - OTDC100...250E_<br>OTDC100...245U_  | OTS250G1L   | 1SCA022715R5340 | 1              |
| Transparent | OTDC S1.0 - OTDC100...250E_<br>OTDC100...245U_  | OTS250T1L   | 1SCA022726R0640 | 1              |
| Grey        | OTDC S2.0 - OTDC100...250G_<br>OTDC100...250UG_ | OTDCS200GG1 | 1SCA161884R1001 | 1              |
| Grey        | OTDC M - OTDC315...800F_<br>OTDC250...600UF_    | OTDCS400FG1 | 1SCA157308R1001 | 1              |
| Transparent | OTDC M - OTDC315...800F_<br>OTDC250...600UF_    | OTDCS400FT1 | 1SCA157309R1001 | 1              |

## Ordering information for accessories IEC and UL

### Connection bar kits and circuits



OEZXY91



OTDCKIT250S11



OTDCKIT250GS101



OTDCKIT400FS101



OTDCKIT600FS101



OTDCKIT400FS11



OTDCKIT600FS11



OTDCKIT800FS11



OTDCKIT800FS11

#### Connection bar kits

The kits include the necessary mounting hardware. The kits include the necessary mounting hardware. Grounded circuits 1a and 3 can be created by installing connection bar kits to OTDC switches.

| Suitable for switches | Type                                    | Order number                | Pieces/Package  |   |
|-----------------------|---|-----------------------------|-----------------|---|
| OTDC S1.0             | OTDC100...200U_11                       | OEZXY91                     | 1SCA125290R1001 | 1 |
|                       | OTDC100...250E_22,<br>OTDC100...200U_22 | OTDCKIT250S11               | 1SCA148902R1001 | 1 |
| OTDC S2.0             | OTDC100...250_G_11                      | OTDCKIT250GS101             | 1SCA161881R1001 | 1 |
|                       | OTDC100...250_G_22/02S                  | OTDCKIT250GS11              | 1SCA161882R1001 | 1 |
| OTDC M                | OTDC250...400-F_11                      | OTDCKIT400FS101             | 1SCA157317R1001 | 1 |
|                       | OTDC600...630UF_11                      | OTDCKIT600FS101             | 1SCA157319R1001 | 1 |
|                       | OTDC250...400-F_22/02S                  | OTDCKIT400FS11              | 1SCA157318R1001 | 2 |
|                       | OTDC600...630UF_22/02S                  | OTDCKIT600FS11              | 1SCA157320R1001 | 2 |
|                       | OTDC800...1000-F_22                     | OTDCKIT800FS11 <sup>1</sup> | 1SCA160635R1001 | 4 |

<sup>1</sup> Connection bar kit OTDCKIT800FS11 included with the package - Installation mandatory  
See grounded circuits 1a and 3 from pages 9-117 – 9-118.

## Ordering information for accessories IEC and UL

### Connection bar kits and circuits

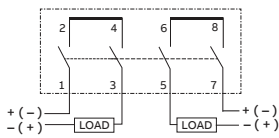




#### Connection bar kits to create single circuit 1a

|   | Suitable for switches | Connection bar kit  | Order number | Required kit qty | Connection bars pcs/kit |   |   |  |
|---|-----------------------|---------------------|--------------|------------------|-------------------------|---|---|--|
| <p><b>Circuit 1a</b></p> <p>2-pole, 2-wire, 1-circuit</p> <p>For grounded systems</p> | OTDC S1.0             | OTDC100...250_11    |              | OEZXY91          | 1SCA125290R1001         | 1 | 1 |  |
|   |                       | OTDC100...250_G_11  |              | OTDCKIT250GS101  | 1SCA161881R1001         | 1 | 1 |  |
|   |                       | OTDC S2.0           |              |                  |                         |   |   |  |
|   |                       | OTDC100...250_G_02S |              | OTDCKIT250GS11   | 1SCA161882R1001         | 1 | 1 |  |
|   |                       | OTDC250...500_F_11  |              | OTDCKIT400FS101  | 1SCA157317R1001         | 1 | 1 |  |
|   |                       | OTDC600...630_F_11  |              | OTDCKIT600FS101  | 1SCA157319R1001         | 1 | 1 |  |
|   |                       | OTDC M              |              |                  |                         |   |   |  |
|   |                       | OTDC250...400_F_02S |              | OTDC400FS11      | 1SCA157318R1001         | 1 | 2 |  |
|   | OTDC600...630_F_02S   |                     | OTDC600FS11  | 1SCA157320R1001  | 1                       | 2 |   |  |

## Ordering information for accessories IEC and UL

### Connection bar kits and circuits

#### Connection bar kits to create double circuit 3

|   | Suitable for switches | Connection bar kit                      | Order number  | Required kit qty | Connection bars pcs/kit |   |   |
|---|-----------------------|---|---|------------------|-------------------------|---|---|
| <p><b>Circuit 3</b></p> <p>4-pole, 4-wire, 2-circuit</p>  <p><b>For grounded systems</b></p> | OTDC S1.0             | OTDC100...250E_22,<br>OTDC100...200U_22 |    | OTDCKIT250S11    | 1SCA148902R1001         | 2 | 1 |
|   | OTDC S2.0             | OTDC100...250_G_22                      |    | OTDCKIT250GS11   | 1SCA161882R1001         | 2 | 1 |
|   | OTDC M                | OTDC250...500_F_22                      |   | OTDCKIT400FS11   | 1SCA157318R1001         | 1 | 2 |
|   |                       | OTDC600...630_F_22                      |  | OTDCKIT600FS11   | 1SCA157320R1001         | 1 | 2 |

Circuit 3, complies with the Australian installation regulations:  
 1 PV circuit for Australian installations, compliant with AS/NZS 5033 : 2014.  
 OTDC 2.0 and OTDC M-Series have the mandatory DC-PV2 utilization category ratings, please see the technical data pages for more information.

## Ordering information for accessories IEC and UL

### Mechanical lugs



OZXA200

#### Mechanical lugs

Mechanical lugs for Al and Cu cables for IEC OTDC switch-disconnectors

| Suitable for switches     | Cable cross section [mm²] | Type     | Order number    | Pieces/Package |
|---------------------------|---------------------------|----------|-----------------|----------------|
|                           | 10...70                   | OZXB1L/1 | 1SCA022194R0030 | 1              |
| OTDC S1.0 OTDC100...250E_ | 25...120                  | OZXB2/1  | 1SCA022194R0200 | 1              |
|                           | 25...120                  | OZXB2L/1 | 1SCA022194R0460 | 1              |



OZXA402

#### Mechanical lugs

Mechanical lugs for Al and Cu cables for UL OTDC switch-disconnectors

| Suitable for switches     | Wire range AWG     | Type     | Order number    | Kits/Circuit | Pieces/Package |
|---------------------------|--------------------|----------|-----------------|--------------|----------------|
| OTDC S1.0 OTDC100...200U_ | AWG 4 - 300MCM     | OZXA-200 | 1SCD000008R0012 | 1            | 4              |
|                           | AWG 14-10          |          |                 |              |                |
|                           | AWG 8              |          |                 |              |                |
| OTDC S2.0 OTDC100UG_      | AWG 6-4            | OZXA-100 | 1SCD000003R0012 | 1            | 4              |
|                           | AWG 3-2/0          |          |                 |              |                |
|                           | AWG 4 - 300MCM     | OZXA-200 | 1SCD000008R0012 | 1            | 4              |
|                           | 2 x AWG 14 - 2/0   | OZXA-252 | 1SCD000139R0012 | 1            | 4              |
|                           | 2 x AWG 6 - 300MCM | OZXA-402 | 1SCD000138R0012 | 1            | 4              |
| OTDC M OTDC600UF_         | 4 x AWG 6 - 300MCM | OZXA-604 | 1SCA157322R1001 | 2            | 4              |
|                           | 4 x AWG 2 - 600MCM | OZXA-804 | 1SCA161408R1001 | 2            | 4              |



OZXA604



OZXA100



OZXA252

## Ordering information for accessories IEC and UL

### Auxiliary contacts



OA1G10, OA3G01

#### Auxiliary contact blocks, IP20

Contact numbering according to EN 50013. The type and the ordering numbers are for one piece.

#### Auxiliary contacts

Mounting under the mechanism cover.

OTDC S1.0 - OTDC100...250E, OTDC100...200U\_: Max. 4 test contacts or 2 test contacts + 2 test indication contacts.

OTDC S2.0 - OTDC100...250G, OTDC100...250UG\_: Max. 1 test contact + 1 test indication contact.

OTDC M - OTDC315...1000F\_, OTDC250...1000UF\_: Max. 4 test contacts + 4 test indication contacts.

| Suitable for switches | Function | Type   | Order number    | Pieces/Package |
|-----------------------|----------|--------|-----------------|----------------|
| OTDC100...1000_       | 1NO      | OA1G10 | 1SCA022353R4970 | 10             |
|                       | 1NC      | OA3G01 | 1SCA022456R7410 | 10             |

#### Module for auxiliary contacts

Screw mounting to the left side of the switch. Max. 8 auxiliary contact blocks with the OEA28 module.

| Suitable for switches                       | Type  | Order number    | Pieces/Package |
|---|-------|-----------------|----------------|
| OTDC S1.0 - OTDC100...250E, OTDC100...200U_ | OEA28 | 1SCA022714R8810 | 1              |

#### Performance data according to IEC 60947-5-1

For OA1G, OA3G

| U <sub>e</sub> /[VAC] | AC15                |                       | DC12                |       | DC13                |       |
|-----------------------|---------------------|-----------------------|---------------------|-------|---------------------|-------|
|                       | I <sub>e</sub> /[A] | U <sub>e</sub> /[VDC] | I <sub>e</sub> /[A] | P/[W] | I <sub>e</sub> /[A] | P/[W] |
| 230                   | 6                   | 24                    | 10                  | 240   | 2                   | 50    |
| 400                   | 4                   | 72                    | 4                   | 290   | 0.8                 | 60    |
| 415                   | 4                   | 125                   | 2                   | 250   | 0.55                | 70    |
| 690                   | 2                   | 250                   | 0.55                | 140   | 0.27                | 70    |
| -                     | -                   | 440                   | 0.1                 | 44    | -                   | -     |

## Ordering information for accessories IEC and UL Interlocks



OSZT1L

### Mechanical/electrical interlock kit

OTDC switch-disconnectors can be interlocked in the ON and OFF-position using padlocks or a mechanical/electrical interlock kit mounted on the mechanism. The diameter of the lock bail can be max 8 mm. Kit includes the mounting hardware. Coil for the electrical interlock needs to be ordered separately.

| Suitable for switches                      | Type     | Order number    |
|--|----------|-----------------|
| OTDC S1.0 OTDC100...250E_, OTDC100...200U_ | OSZT1L   | 1SCA106538R1001 |
| OTDC M OTDC250...1000_F_ <sup>1</sup>      | OTDCZTML | 1SCA162042R1001 |

<sup>1</sup> Limitations to use of auxiliary contacts , Max. 2 test contacts + 2 test indication contacts.



OTDCZTML

### Coils for electrical interlocks

The switch can be interlocked electrically in the OFF- and ON-positions by installing a coil inside the housing of the interlock kit. The electrical interlock works using the “closed circuit principle”, meaning that when the control voltage is not connected to the coil.

| Suitable for switches              | Type                           | Order number    | Weight/unit<br>kg |
|------------------------------------|--------------------------------|-----------------|-------------------|
| <b>AC coils</b>                    |                                |                 |                   |
| 110 V AC, 50 Hz                    | PDAL2/110AC50Hz                | 1SCA106543R1001 | 0.15              |
| 110 V AC, 60 Hz                    | PDAL2/110AC60Hz                | 1SCA107100R1001 | 0.15              |
| 120 V AC, 60 Hz                    | PDAL2/120AC60Hz                | 1SCA111353R1001 | 0.15              |
| 208 V AC, 60 Hz                    | PDAL2/208AC60Hz                | 1SCA107101R1001 | 0.15              |
| 230 V AC, 50 Hz                    | PDAL2/230AC50Hz                | 1SCA107102R1001 | 0.15              |
| 240 V AC, 60 Hz                    | PDAL2/240AC60Hz                | 1SCA111356R1001 | 0.15              |
| <b>DC coils</b>                    |                                |                 |                   |
| 24 V DC                            | PDAL2/24DC                     | 1SCA106542R1001 | 0.15              |
| 48 V DC                            | PDAL2/48DC                     | 1SCA107103R1001 | 0.15              |
| 110 V DC                           | PDAL2/110DC                    | 1SCA107105R1001 | 0.15              |
| 125 V DC                           | PDAL2/125DC                    | 1SCA111338R1001 | 0.15              |
| 220 V DC                           | PDAL2/220DC                    | 1SCA112503R1001 | 0.15              |
| <b>Technical data for the coil</b> |                                |                 |                   |
| Operating voltage                  | U = 0.8...1.1 x U <sub>n</sub> |                 |                   |
| Operating ambient temperature      | -40 °C...+65 °C                |                 |                   |
| Power consumption                  | with AC 6.5 W<br>with DC 9 VA  |                 |                   |



PDAL2

## HPC™, new generation high-pressure contact switch

Top- or bottom feed

800-4000 Amperes - 600 VAC max.

### Product Introduction

ABB's type HPC™ switches are UL listed in accordance with Standard 977, Fused Power Circuit Devices (UL File No. E-51827). The charge-after-close mechanism provides stored energy, quick-make/quick-break operation. Multiple spring-loaded high-pressure current-carrying contact arms and an arcing contact arm provide excellent current-carrying capability without sacrificing high interrupting fault performance. These switches are 100 percent rated and can interrupt, on a make and break basis, a minimum of 12 times their nameplate rating without fuse assistance at 600Vac. Complete HPC™ switch and Class L fuse coordination is therefore achieved for all levels of fault current up to 200,000 rms amperes symmetrical at 600Vac maximum. Type HPC™ switches used as service disconnects comply with the National Electrical Code Article 110.10 for adequate short-circuit current and ground fault protection.

### Greater Convenience and Operational Safety

The controls and status indicators you need most are readily accessible. The flush-mounted handle, ON/OFF buttons, test receptacle, bell alarm reset buttons — with or without lockout — are easily reached and all are double-insulated from live components. And, for added security, a standard padlock device lets you prevent accidental or unauthorized closing of the switch.

HPC™ switches, new generation are versatile and designed for a wide variety of applications including temperature insensitive control units, push-to-open and close control, charge-after-close operation, 3 cycle closing, UL listed (file E-51827) field installable accessories suitable for 50/60 Hz. All accessories and control wiring are prewired to dedicated, secondary terminal points on each switch.

### Features

- High Durability – Safety of Operation  
High-dielectric strength, glass reinforced insulated case.
- High Interrupting Capability  
Arc chute of unique construction suppresses arcs and cools gases rapidly, providing quick arc interruption and extended switch life.
- High Transient Voltage Withstandability  
Interphase partitions mesh with switch midcover to completely isolate each pole.
- Extended Switch Life  
Preloaded constant pressure pivot eliminates braid whip and fraying on high short circuit currents and repeated operations.
- Positive “ON-OFF” Indication  
Green (OFF), Red (ON), provides visual indication regarding the position of the switch contacts.
- Easy Operation – Quick Make  
Flush-mounted handle, operated 6 times to charge; push button on remote close to close the switch
- Emergency Open – Quick Break  
Finger-tip “OFF” button rapidly opens the switch contacts.
- Fuse Mounting Bolts for Ease of Mounting Fuses
- Padlocking Provisions Standard



1600A HPC™ Switch  
(Type SHP, Top-Feed)



1600A HPC™ Switch  
(Type SHP, Bottom-Feed)

### Product Forms

- Top Feed – Line terminals at top of switch.
- Bottom Feed – Line terminals at bottom of switch; fuses are de-energized when switch is in OFF positions. Same size as top-feed.

### Quick, Error-Free Installation of Universal Accessories

Drop-in bell alarm, bell alarm with manual reset lockout, shunt trip, shunt trip with lockout, and undervoltage release install in seconds. No special tools. No switch disassembly. Just slide them into place. The modules are universal across all frame sizes and each is mechanically keyed to its compartment so you make the right connection, every time. These accessories are field installable and upgradable.

ABB's innovative, modular, drop-in accessories provide the ultimate customer solution for field customization:

### UL Listed

- Accessory combination (one each) shunt trip, shunt trip with lockout, undervoltage release, bell alarm (alarm only), bell alarm with lockout.
- Rated 12-250 Vdc through 12-240 Vac, continuous duty.

### Complete installation in seconds without special tools, switch disassembly or adjustment

- The user can select how protective control unit functions, the shunt trip (with or without lockout), and UVR accessories interface with the bell alarm and bell alarm with lockout accessories: An overcurrent, shunt trip, or UVR trip can be set to actuate the bell alarm or bell alarm with lockout. Any combination of output actions based on inputs can be selected.
- Shunt trip and undervoltage trip targets are clearly displayed by the control unit LCD.

### Pre-wired wire harness makes field installation a snap for:

- Motor operator with remote charge indicator
- Form C auxiliary switches, up to 12-stage maximum
- Remote close solenoid

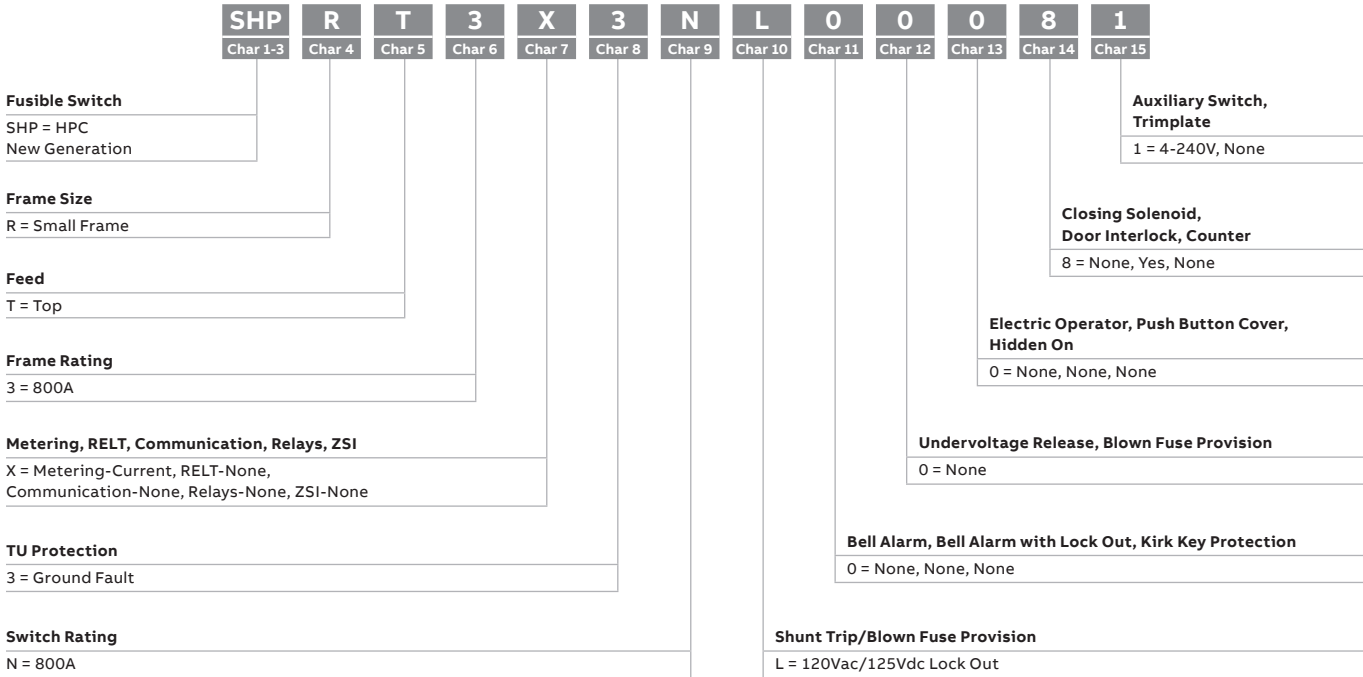
### Additional field-installable accessories including:

- Key interlock provision (4 locks maximum)
- Limited access ON/OFF cover
- Mechanical operations counter
- Door interlock

# HPC™, new generation high-pressure contact switch

## HPC™ switch, new generation, nomenclature system

### HPC™ Switch, New Generation, Nomenclature



#### Characters 1, 2, 3 Fusible Switch

|                      | Character 1, 2, 3 |
|----------------------|-------------------|
| HPC™, New Generation | SHP               |

#### Characters 4 Frame Size

|  | Character 4 |
|--|-------------|
| Small (800A - 1600A)                   | R           |
| Large (2000A - 4000A)                  | C           |
| Long (42" 4000A w/ GF, Retrofill only) | L           |

#### Character 5 Feed

|        | Character 5 |
|--------|-------------|
| Top    | T           |
| Bottom | B           |

#### Character 6 Frame Rating

|       | Character 6 |
|-------|-------------|
| 800A  | 3           |
| 1600A | 5           |
| 2000A | 6           |
| 2500A | 7           |
| 3000A | 8           |
| 4000A | 9           |

#### Character 7 Metering, RELT, Communication, Relays, ZSI

| Metering  | RELT | Comm   | Relays | ZSI  | Character 7 |
|-----------|------|--------|--------|------|-------------|
| Current   | None | None   | None   | None | X           |
| Current   | RELT | None   | None   | None | A           |
| Current   | RELT | Modbus | None   | None | B           |
| Current   | None | Modbus | None   | None | C           |
| Adv & WFC | RELT | Modbus | None   | None | E           |
| Adv & WFC | None | Modbus | None   | None | F           |
| Adv & WFC | RELT | Modbus | Yes    | None | H           |
| Adv & WFC | None | Modbus | Yes    | None | J           |
| Current   | None | None   | None   | G    | K           |
| Current   | RELT | None   | None   | G    | L           |
| Current   | RELT | Modbus | Yes    | G    | M           |
| Current   | None | Modbus | Yes    | G    | N           |
| Adv & WFC | RELT | Modbus | None   | G    | Q           |
| Adv & WFC | None | Modbus | None   | G    | R           |
| Adv & WFC | RELT | Modbus | Yes    | G    | W           |
| Adv & WFC | None | Modbus | Yes    | G    | Y           |
| Current   | None | None   | None   | G&I  | Z           |
| Current   | RELT | None   | None   | G&I  | 1           |
| Current   | RELT | Modbus | None   | G&I  | 2           |
| Current   | None | Modbus | None   | G    | 3           |
| Adv & WFC | RELT | Modbus | None   | G&I  | 5           |
| Adv & WFC | None | Modbus | None   | G    | 6           |
| Adv & WFC | RELT | Modbus | Yes    | G&I  | 8           |
| Adv & WFC | None | Modbus | Yes    | G    | 9           |

# HPC™, new generation high-pressure contact switch

## HPC™ switch, new generation, nomenclature system

### Character 8 TU Protection

|                                      | Character 8 |
|--------------------------------------|-------------|
| Fuse Only                            | X           |
| I (Switchable)                       | 1           |
| IG (I Switchable)                    | 8           |
| IGA (I Switchable) <sup>1</sup>      | 9           |
| IGDA (All Switchable) <sup>1,2</sup> | A           |
| G                                    | 3           |
| GA                                   | 4           |
| GDA (All Switchable) <sup>1,2</sup>  | 5           |

<sup>1</sup>GF Alarm is not available when RELT is selected.  
<sup>2</sup>G switchable by password only.

### Character 9 Switch Rating

|       | Character 9 |
|-------|-------------|
| 800A  | N           |
| 1200A | R           |
| 1600A | U           |
| 2000A | W           |
| 2500A | 1           |
| 3000A | 2           |
| 4000A | 5           |

### Character 10 Shunt Trip/Blown Fuse Provision

| Voltage         | with Lockout | without Lockout | Blown Fuse Provision | Character 10 |
|-----------------|--------------|-----------------|----------------------|--------------|
| None            | •            |                 | None                 | 0            |
| 12 Vdc          | •            |                 | None                 | H            |
| 24 Vac/24 Vdc   | •            |                 | None                 | J            |
| 48 Vac/48 Vdc   | •            |                 | None                 | K            |
| 120 Vac/125 Vdc | •            |                 | None                 | L            |
| 208 Vac         | •            |                 | None                 | M            |
| 240 Vac/250 Vdc | •            |                 | None                 | N            |
| 480 Vac         | •            |                 | None                 | P            |
| 600 Vac         | •            |                 | None                 | R            |
| 120 Vac         | •            |                 | •                    | V            |
| 208 Vac         | •            |                 | •                    | W            |
| 240 Vac         | •            |                 | •                    | Y            |
| 12 Vdc          |              | •               | None                 | 1            |
| 24 Vac/24 Vdc   |              | •               | None                 | 2            |
| 48 Vac/48 Vdc   |              | •               | None                 | 3            |
| 120 Vac/125 Vdc |              | •               | None                 | 4            |
| 208 Vac         |              | •               | None                 | 5            |
| 240 Vac/250 Vdc |              | •               | None                 | 6            |
| 480 Vac         |              | •               | None                 | 7            |
| 600 Vac         |              | •               | None                 | 8            |
| 120 Vac         |              | •               | •                    | S            |
| 208 Vac         |              | •               | •                    | T            |
| 240 Vac         |              | •               | •                    | U            |

### Character 11 Bell Alarm, Bell Alarm with Lock Out, Kirk Key Protection

| Bell Alarm | Bell Alarm with Lock Out | Kirk Key Protection | Character 11 |
|------------|--------------------------|---------------------|--------------|
| None       | None                     | None                | 0            |
| None       | 240                      | None                | 1            |
| None       | 600                      | None                | 2            |
| 240        | None                     | None                | 4            |
| 240        | 240                      | None                | 5            |
| 240        | 600                      | None                | 6            |
| 600        | None                     | None                | 8            |
| 600        | 240                      | None                | 9            |
| 600        | 600                      | None                | A            |
| None       | None                     | 4                   | G            |

### Character 11 Bell Alarm, Bell Alarm with Lock Out, Kirk Key Protection (Continued)

| Bell Alarm | Bell Alarm with Lock Out | Kirk Key Protection | Character 11 |
|------------|--------------------------|---------------------|--------------|
| None       | 240                      | 4                   | H            |
| None       | 600                      | 4                   | J            |
| 240        | None                     | 4                   | L            |
| 240        | 240                      | 4                   | M            |
| 240        | 600                      | 4                   | N            |
| 600        | None                     | 4                   | R            |
| 600        | 240                      | 4                   | S            |
| 600        | 600                      | 4                   | T            |

### Character 12 Undervoltage Release, Blown Fuse Provision

| Undervoltage Release | Blown Fuse Provision | Character 12 |
|----------------------|----------------------|--------------|
| None                 | None                 | 0            |
| 24 Vac               | None                 | 1            |
| 48 Vac               | None                 | 2            |
| 120 Vac              | None                 | 3            |
| 208 Vac              | None                 | 4            |
| 240 Vac              | None                 | 5            |
| 480 Vac              | None                 | 6            |
| 600 Vac              | None                 | 7            |
| 12 Vdc               | None                 | 8            |
| 24 Vdc               | None                 | 9            |
| 48 Vdc               | None                 | A            |
| 125 Vdc              | None                 | B            |
| 250 Vdc              | None                 | C            |
| 120 Vac              | •                    | W            |
| 208 Vac              | •                    | X            |
| 240 Vac              | •                    | Y            |

### Character 13 Electric Operator, Push Button Cover, Hidden On

| Electric Operator | Push Button Cover | Hidden On | Character 13 |
|-------------------|-------------------|-----------|--------------|
| None              | None              | None      | 0            |
| 120 Vac           | None              | None      | 1            |
| 240 Vac           | None              | None      | 2            |
| 24 Vdc            | None              | None      | 3            |
| 48 Vdc            | None              | None      | 4            |
| 72 Vdc            | None              | None      | 5            |
| 125 Vdc           | None              | None      | 6            |
| None              | Yes               | None      | 8            |
| 120 Vac           | Yes               | None      | 9            |
| 240 Vac           | Yes               | None      | A            |
| 24 Vdc            | Yes               | None      | B            |
| 48 Vdc            | Yes               | None      | C            |
| 72 Vdc            | Yes               | None      | D            |
| 125 Vdc           | Yes               | None      | E            |
| None              | None              | Yes       | G            |
| 120 Vac           | None              | Yes       | H            |
| 240 Vac           | None              | Yes       | J            |
| 24 Vdc            | None              | Yes       | K            |
| 48 Vdc            | None              | Yes       | L            |
| 72 Vdc            | None              | Yes       | M            |
| 125 Vdc           | None              | Yes       | N            |
| None              | Yes               | Yes       | R            |
| 120 Vac           | Yes               | Yes       | S            |
| 240 Vac           | Yes               | Yes       | T            |
| 24 Vdc            | Yes               | Yes       | U            |
| 48 Vdc            | Yes               | Yes       | V            |
| 72 Vdc            | Yes               | Yes       | W            |
| 125 Vdc           | Yes               | Yes       | X            |

# HPC™, new generation high-pressure contact switch

HPC™ switch, new generation, nomenclature system

### Character 14 Closing Solenoid, Door Interlock, Counter

| Closing Solenoid | Door Interlock | Counter | Character 14 |
|------------------|----------------|---------|--------------|
| None             | Yes            | None    | 8            |
| 120 Vac          | Yes            | None    | 9            |
| 240 Vac          | Yes            | None    | A            |
| 24 Vdc           | Yes            | None    | B            |
| 48 Vdc           | Yes            | None    | C            |
| 72 Vdc           | Yes            | None    | D            |
| 125 Vdc          | Yes            | None    | E            |
| None             | Yes            | Yes     | R            |
| 120 Vac          | Yes            | Yes     | S            |
| 240 Vac          | Yes            | Yes     | T            |
| 24 Vdc           | Yes            | Yes     | U            |
| 48 Vdc           | Yes            | Yes     | V            |
| 72 Vdc           | Yes            | Yes     | W            |
| 125 Vdc          | Yes            | Yes     | X            |

### Character 15 Auxiliary Switch, Trimplate

| Auxiliary Switch | Trimplate | Character 15 |
|------------------|-----------|--------------|
| None             | None      | 0            |
| 4-240V           | None      | 1            |
| 8-240V           | None      | 2            |
| 12-240V          | None      | 3            |
| 4-600V           | None      | 4            |
| 8-600V           | None      | 5            |
| None             | Yes       | 8            |
| 4-240V           | Yes       | 9            |
| 8-240V           | Yes       | A            |
| 12-240V          | Yes       | B            |
| 4-600V           | Yes       | C            |
| 8-600V           | Yes       | D            |

### HPC™ Switch, New Generation, Frame Product Numbers

**THP R 2 3 6 08 T**

**Fusible Switch**

THP = HPC™ Switch

**Frame Size**

R = Small Frame (800A-1600A)

C = Large Frame (2000A-4000A)

L = Long Frame (42" 4000A w/GF, Retrofill only)

**Construction**

2 = New Generation

**Poles**

3 = 3 Pole

**Feed**

T = Top

B = Bottom

**Switch Rating**

08 = 800A

12 = 1200A

16 = 1600A

20 = 2000A

25 = 2500A

25 = 2500A

40 = 4000A

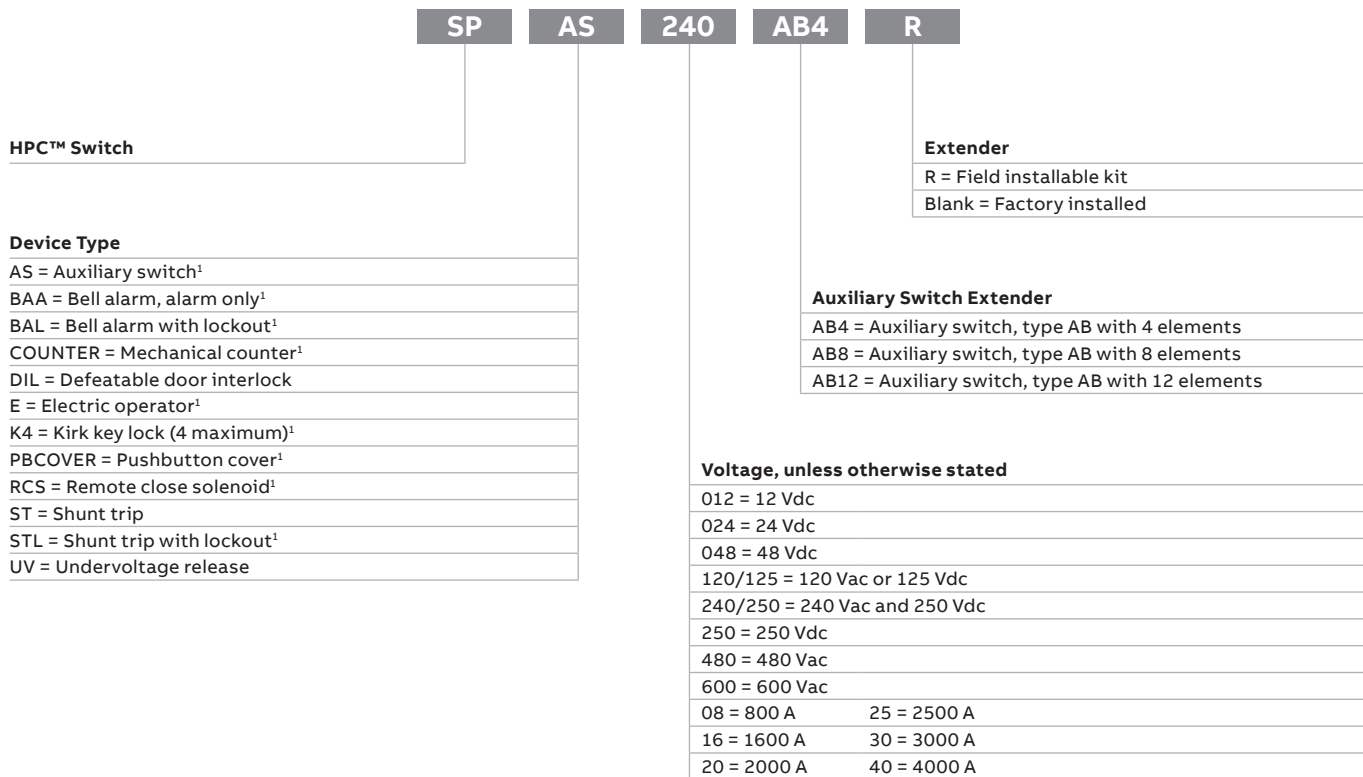
**Voltage**

6 = 600V

# HPC™, new generation high-pressure contact switch

## Product number nomenclature system

### Accessory Product Numbers

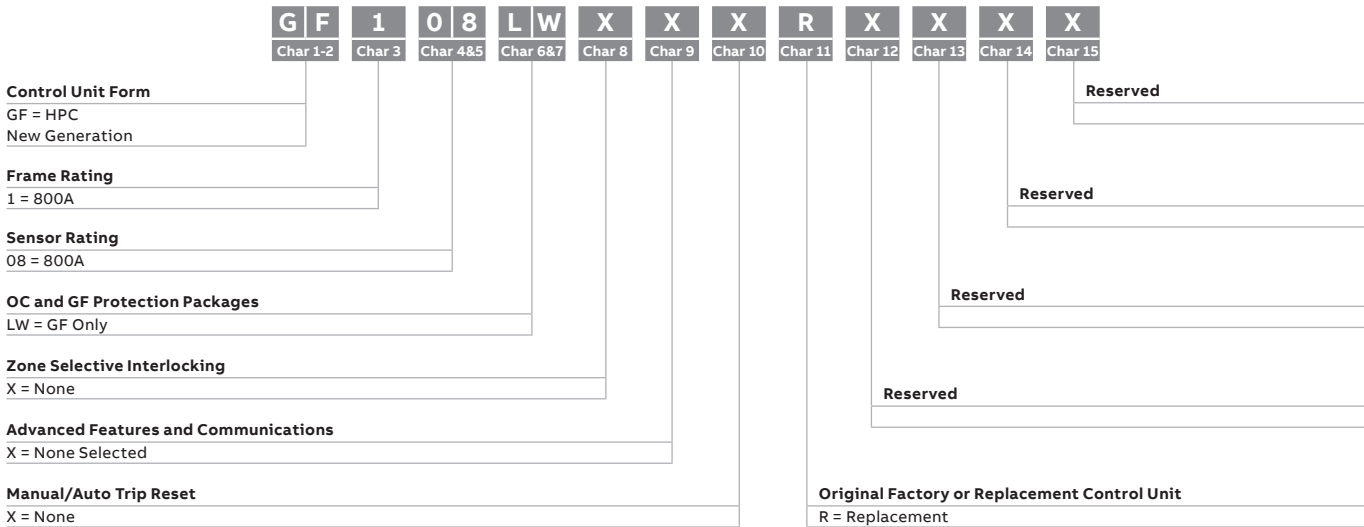


<sup>1</sup>Device Product Number requires an extender "R" for field installable kit version only.  
 NOTE: This information is provided only for use interpreting product numbers. It cannot be used to build product numbers.

# HPC™, new generation high-pressure contact switch

## EntelliGuard™ control unit nomenclature

### EntelliGuard™ Control Unit Nomenclature



#### Character 1 & 2 EntelliGuard™ Control Unit Form

|                      | Character 1 & 2 |
|----------------------|-----------------|
| HPC™, New Generation | GF              |

#### Character 3 Frame Ratings

|       | Character 3 |
|-------|-------------|
| 800A  | 1           |
| 1600A | 2           |
| 2000A | 3           |
| 2500A | 4           |
| 3000A | 5           |
| 4000A | 7           |

Note: Use 1600A CT w/ 1200A rating plug for 1200A HPC™ frame.

#### Character 4 & 5 Sensor Rating (Amperes)

|       | Character 4 & 5 |
|-------|-----------------|
| 800A  | 08              |
| 1600A | 16              |
| 2000A | 20              |
| 2500A | 25              |
| 3000A | 30              |
| 4000A | 40              |

#### Character 6 & 7 OC and GF Protection Packages

|                                    | Character 6 & 7 |
|------------------------------------|-----------------|
| Fuse Only                          | LZ              |
| I (Switchable)                     | S1              |
| IG (I Switchable)                  | S2              |
| IGA (I Switchable)                 | S3              |
| IGDA (All Switchable) <sup>1</sup> | S4              |
| GDA (All Switchable) <sup>1</sup>  | S5              |
| G                                  | LW              |
| GA                                 | LY              |

<sup>1</sup>G switchable by password only

#### Character 8 Zone Selective Interlocking

|                       | Character 8 |
|-----------------------|-------------|
| None                  | X           |
| G user selectable     | Z           |
| Z+IOC user selectable | T           |

#### Character 9 Advanced Features and Communications

|  | Character 9 |
|--|-------------|
| None Selected                          | X           |
| RELT                                   | 1           |
| RELT+Modbus                            | 2           |
| Modbus-Adv Meter+WFC+RELT              | 6           |
| Modbus-Adv Meter+WFC+RELT+relay        | 8           |
| Modbus Only (No RELT)                  | A           |
| Adv Metering, Modbus (No RELT)         | D           |
| Adv Metering, Modbus, Relays (No RELT) | E           |

#### Character 10 Manual/Auto Trip Reset

|      | Character 10 |
|------|--------------|
| None | X            |

#### Character 11 Original Factory or Replacement Control Unit

|             | Character 11 |
|-------------|--------------|
| Factory     | F            |
| Replacement | R            |

## HPC™, new generation high-pressure contact switch

Application information  
Outlines and dimensions

### Application Information - HPC™ Switches, New Generation

| Ampere Rating | Feed   | Outline Drawing |
|---------------|--------|-----------------|
| 800A          | Top    | 10112083P1      |
| 800A          | Bottom | 10112083P2      |
| 1200/1600A    | Top    | 10112083P3      |
| 1200/1600A    | Bottom | 10112083P4      |
| 2000A         | Top    | 10112083P5      |
| 2000A         | Bottom | 10112083P6      |
| 2500/3000A    | Top    | 10112083P7      |
| 2500/3000A    | Bottom | 10112083P8      |
| 4000A         | Top    | 10112083P11     |
| 4000A         | Bottom | 10112083P12     |

### Weights - HPC™ Switches, New Generation

| Frame Rating | Operation Type | Weight (lb.) |
|--------------|----------------|--------------|
| 800A         | Manual         | 81           |
| 800A         | Electrical     | 90           |
| 1200/1600A   | Manual         | 95           |
| 1200/1600A   | Electrical     | 104          |
| 2000A        | Manual         | 110          |
| 2000A        | Electrical     | 119          |
| 2500/3000A   | Manual         | 210          |
| 2500/3000A   | Electrical     | 219          |
| 4000A        | Manual         | 400          |
| 4000A        | Electrical     | 409          |

### Enclosure Dimensions, Volume and Ventilation Requirements

| Ampere Rating | Min Volume (Cubic Inches) | A Min Ventilation Top and Bottom <sup>1</sup> (Square Inches) | B Min Line to Ground (Inches) | C Min Height (Inches) | D Min Width (Inches) | E Mounting Depth (Inches) | F Min to Ground or Insulation (Inches) |
|---------------|---------------------------|---|-------------------------------|-----------------------|----------------------|---------------------------|--|
| 800A          | 6062                      | 23  | 2                             | 28                    | 25                   | 8.66                      | 3.5                                    |
| 1200A-1600A   | 6495                      | 63  | 2                             | 30                    | 25                   | 8.66                      | 3.5                                    |
| 2000A         | 9380                      | 63  | 2                             | 40                    | 25                   | 9.38                      | 3                                      |
| 2500A         | 9380                      | 172   | 2                             | 40                    | 25                   | 9.38                      | 3                                      |
| 3000A         | 9380                      | 172   | 2                             | 40                    | 25                   | 9.38                      | 3                                      |
| 4000A         | 17347                     | 189   | 9                             | 52                    | 30                   | 11.12                     | 3                                      |

Note: For dimensions of neutral current sensor to be used with integral ground fault switches, see outline drawings: 139C5016SH1 & SH2 (TSVG types) and 10112973P1 (SSVG types).  
<sup>1</sup>Ventilating openings can be in alternate location but must provide equivalent ventilating areas.

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## **HPC™, new generation high-pressure contact switch**

HPC™ switch, new generation

### **How to Order:**

1. Determine your new HPC™ 15-digit part number by using the Configurator (contact your authorized ABB Distributor) and refer to the Buylog™ for complete list of options.
2. Check empower for price and availability (For access to empower, contact your authorized ABB Distributor). Note: Because of multiple possible combinations, only product numbers that have been ordered are in empower. If the product number you are interested in is not in empower, email the request to [epis.uscustomerexcellence@abb.com](mailto:epis.uscustomerexcellence@abb.com) to add it to the system.
3. Once the product number is loaded, the order can be placed via empower.
4. Note: Neutral CTs and T-Studs are ordered separately from the 15-digit product number.

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

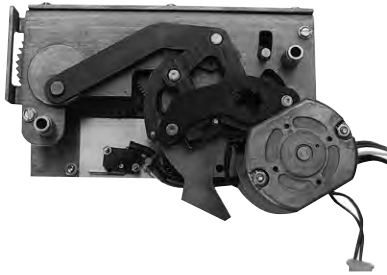
All devices UL listed for factory or field installation except where noted.

### Accessories

The complete line of new generation HPC™ switch accessories may be either factory or field installed to meet user needs. The electronic shunt trip, the bell alarm, the bell alarm with mechanical lockout, and the undervoltage release modules are drop-in from the front of the switch, interchangeable across all frames, and require no field internal wiring or switch disassembly. Auxiliary switch modules are available in groups of 4, 8 or 12, NO/NC single-pole, double-throw (SPDT) switches. Their installation simply involves removal of switch cover, installation of the switch module, routing of wiring and installation of the pre-wired terminal block and re-installation of the cover. Auxiliary switches are also interchangeable across all new generation HPC™ switch frames.

### Electrical Operator

The electrical operator mounts inside the front cover of the manually operated switch. This accessory can be added to any new generation HPC™ switch in the factory or the field to provide electrical spring charging and charge indication. **For remote closing, the remote close solenoid must be ordered separately.** All switches are prewired to dedicated secondary terminals for easy field installation. When electrical operation is used, either a shunt trip or an undervoltage release must be ordered separately.

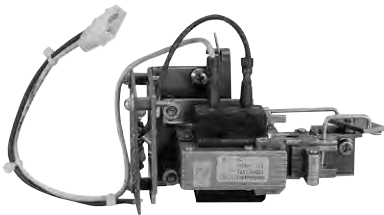


Electrical Operator

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| 120         | -           | SPE120R                          | SPE120                           |
| 240         | -           | SPE240R                          | SPE240                           |
| -           | 24          | SPE024R                          | SPE024                           |
| -           | 48          | SPE048R                          | SPE048                           |
| -           | 72          | SPE072R                          | SPE072                           |
| -           | 125         | SPE125R                          | SPE125                           |

### Remote Close Solenoid

This accessory provides an electrically operated solenoid which, when energized, closes the switch. It is suitable for control interlock schemes in which manual closing capability would not be convenient or desirable. The switch is provided with a manual close button, which can be replaced by the Hidden "ON" Button accessory and/or sealed using the Limited Access Pushbutton Cover accessory. The remote close accessory is continuously rated and has an anti-pump feature, which prevents a motor operated switch from repeatedly closing into a fault. Closing control voltage must be removed and re-applied for each switch closure.



Remote Close Solenoid

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| 120         | -           | SPRCS120R                        | SPRCS120                         |
| 240         | -           | SPRCS240R                        | SPRCS240                         |
| -           | 24          | SPRCS024R                        | SPRCS024                         |
| -           | 48          | SPRCS048R                        | SPRCS048                         |
| -           | 72          | SPRCS072R                        | SPRCS072                         |
| -           | 125         | SPRCS125R                        | SPRCS125                         |

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

All devices UL listed for factory or field installation except where noted.



Shunt Trip Module

### Shunt Trip

The shunt trip accessory is an electronic module, which provides remote control capability to open the switch. When activated, the shunt trip module sends a signal to the control unit to open the switch. This allows the control unit to record, display, distinguish and communicate that the opening event was initiated by the shunt trip device. The shunt trip is continuously rated and requires no cut-off switch. When energized, the shunt trip supplies +24Vdc power to the control unit to power the display.

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| -           | 12          | SPST012R                         | SPST012                          |
| 24          | 24          | SPST024R                         | SPST024                          |
| 48          | 48          | SPST048R                         | SPST048                          |
| 120         | 125         | SPST120R                         | SPST120                          |
| 208         | -           | SPST208R                         | SPST208                          |
| 240         | 250         | SPST240R                         | SPST240                          |
| 480         | -           | SPST480R <sup>1</sup>            | SPST480 <sup>1</sup>             |
| 600         | -           | SPST600R <sup>1</sup>            | SPST600 <sup>1</sup>             |

<sup>1</sup> Kit contains externally mounted transformer.

### Shunt Trip with Lockout Module

The shunt trip with lockout is identical to the regular shunt trip, but when energized, it will also prevent closure of an "open" switch by mechanically blocking both manual and electrical closing. When energized, the closing springs will not discharge, the movable contacts will not move; the contacts are "kiss free."

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| -           | 12          | SPSTL012R                        | SPSTL012                         |
| 24          | 24          | SPSTL024R                        | SPSTL024                         |
| 48          | 48          | SPSTL048R                        | SPSTL048                         |
| 120         | 125         | SPSTL120R                        | SPSTL120                         |
| 208         | -           | SPSTL208R                        | SPSTL208                         |
| 240         | 250         | SPSTL240R                        | SPSTL240                         |
| 480         | -           | SPSTL480R <sup>1</sup>           | SPSTL480 <sup>1</sup>            |
| 600         | -           | SPSTL600R <sup>1</sup>           | SPSTL600 <sup>1</sup>            |

<sup>1</sup> Kit contains externally mounted transformer.

### Undervoltage Release Module

The undervoltage release is an electronic module used to open the switch when the monitored voltage drops below 35-60% of its rated value. The undervoltage release "resets" when the monitored voltage is re-established allowing the switch to re-close (the sealing voltage of the UVR is 60-85% of its rated voltage).

An undervoltage release trip operation is produced by the GTU control unit in response to a signal from the undervoltage release module. This allows the control unit to record, display, distinguish and communicate that the switch opening event was due to undervoltage release. Operation of the undervoltage release module will prevent switch contact closure, i.e. "kiss-free" operation. When energized, the undervoltage release supplies +24 Vdc power to the control unit to power the display.



Undervoltage Release Module

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| 24          | -           | SPUV024ACR                       | SPUV024AC                        |
| 48          | -           | SPUV048ACR                       | SPUV048AC                        |
| 120         | -           | SPUV120ACR                       | SPUV120AC                        |
| 208         | -           | SPUV208ACR                       | SPUV208AC                        |
| 240         | -           | SPUV240ACR                       | SPUV240AC                        |
| 480         | -           | SPUV480ACR <sup>1</sup>          | SPUV480AC <sup>1</sup>           |
| 600         | -           | SPUV600ACR <sup>1</sup>          | SPUV600AC <sup>1</sup>           |
| -           | 12          | SPUV012DCR                       | SPUV012DC                        |
| -           | 24          | SPUV024DCR                       | SPUV024DC                        |
| -           | 48          | SPUV048DCR                       | SPUV048DC                        |
| -           | 125         | SPUV125DCR                       | SPUV125DC                        |
| -           | 250         | SPUV250DCR                       | SPUV250DC                        |

<sup>1</sup> Kit contains externally mounted transformer.

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

All devices UL listed for factory or field installation except where noted.



Bell Alarm (Alarm Only)

### Blown Fuse Protector

The Blown Fuse Protector (factory installed) is an accessory which includes components mounted on and external to the new HPC™ switch. Control wiring is connected from one end of each fuse mounting bus-strap to a 6 pt. terminal block mounted on the side of the new HPC™ switch. A shunt trip Lockout device or UVR trip device is included based on the product numbers below for remote opening of the new HPC™ switch in the event of a blown fuse to avoid single phasing.

The accessory also includes a pin-wheel style Blown Fuse Detector equipped with 3 trigger fuses + 1 spare. Wiring from the pin-wheel device to the new HPC™ switch is the responsibility of the switchboard builder.

| Ratings Vac | Factory Installed Product Number | Field Installable Product Number <sup>1</sup> | Trip Accessory Provided |
|-------------|----------------------------------|---|-------------------------|
| 120         | BFSPSTL120AC                     | BFSPSTL120ACR                                 | SPSTL120                |
| 208         | BFSPSTL208AC                     | BFSPSTL208ACR                                 | SPSTL208                |
| 240         | BFSPSTL240AC                     | BFSPSTL240ACR                                 | SPSTL240                |
| 120         | BFSPUV120AC                      | BFSPUV120ACR                                  | SPUV120AC               |
| 208         | BFSPUV208AC                      | BFSPUV208ACR                                  | SPUV208AC               |
| 240         | BFSPUV240AC                      | BFSPUV240ACR                                  | SPUV240AC               |
| 120         | BFSPST120AC                      | BFSPST120ACR                                  | SPST120                 |
| 208         | BFSPST208AC                      | BFSPST208ACR                                  | SPST208                 |
| 240         | BFSPST240AC                      | BFSPST240ACR                                  | SPST240                 |

<sup>1</sup>For field installable kits only, the Pin wheel style Blown Fuse Detector is not included due to UL accessory listing requirements.

Source the Boltswitch PW-2 Blown Fuse Detector separately and follow that manufacturer's instructions for mounting and use.

### Bell Alarm (Alarm Only)

The bell alarm module is used to signal switch "tripped" status to other accessories (e.g., external alarm devices, indicating lights, relays, or logic circuits) for remote indication and interlocking functions. The bell alarm response is configurable by means of rear-mounted DIP switches on the control unit. The bell alarm can be made to operate in response to an overcurrent (including ground fault) or protective relay trip and/or a shunt trip operation, and/or operation of the undervoltage release module. It is not actuated as a result of normal switch "ON/OFF" operation.

This module provides a visual, mechanical pop-out target, which protrudes through the face of the switch door when it operates. The bell alarm may be reset manually by depressing the mechanical target, or automatically by closing the switch.

The bell alarm is provided with one SPDT switch with control power duty contacts as shown in the auxiliary switch accessories.

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| 240         | 125-250     | SPBAA240R                        | SPBAA240                         |
| 600         | 125-250     | SPBAA600R <sup>2</sup>           | SPBAA600 <sup>2</sup>            |

<sup>2</sup>600 Vac module not UL Listed.

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

All devices UL listed for factory or field installation except where noted.



Bell Alarm with Mechanical Reset Lockout

### Bell Alarm With Lockout

The bell alarm with lockout module combines both the bell alarm and a manual lockout function. The bell alarm switch operates identically to the standard bell alarm module, except that the mechanical pop-out target must be manually reset before the switch can be closed.

Operation of the bell alarm with lockout module can be independently set by means of setting the DIP switches at the rear of the control unit. Current rating of the single SPDT switch is identical to the auxiliary switch accessories.

| Ratings Vac | Ratings Vdc | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|----------------------------------|----------------------------------|
| 240         | 125-250     | SPBAL240R                        | SPBAL240                         |
| 600         | 125-250     | SPBAL600R <sup>1</sup>           | SPBAL600 <sup>1</sup>            |

<sup>1</sup>600 Vac module not UL Listed.



Auxiliary Switch with Pre-wired Secondary Terminals

### Auxiliary Switch

An auxiliary switch signals the HPC™ switch's primary contact position (i.e., OPEN or CLOSED) to other devices, such as indicating lights, relays or logic circuits. This enables the user to provide remote indication, interlocking or control operations as a function of HPC™ switch primary contact position. The auxiliary switch operation is independent of the method by which the HPC™ switch is opened or closed. The auxiliary switch does not distinguish between a "tripped" or "open" condition. The auxiliary switch contacts follow the main HPC™ switch contacts on opening and precede them on closing.

Auxiliary switch modules are available with 4, 8 or 12 NO/NC (SPDT) switches for control power duty ac/dc ratings. When ordered for field installation, an auxiliary switch module comes pre-wired to its own terminal board, which mounts with one screw to the left of the HPC™ switch. All switch ratings are 6A at 120V-600 Vac, 1/2A at 125 Vdc and 1/4A at 250 Vdc.

| Ratings Vac | Ratings Vdc | No. of SPDT Switch Elements (Contacts) | Field Installable Product Number | Factory Installed Product Number |
|-------------|-------------|--|----------------------------------|----------------------------------|
| 240         | 125-250     | 4                                      | SPAS240AB4R                      | SPAS240AB4                       |
| 240         | 125-250     | 8                                      | SPAS240AB8R                      | SPAS240AB8                       |
| 240         | 125-250     | 12                                     | SPAS240AB12R                     | SPAS240AB12                      |
| 600         | 125-250     | 4                                      | SPAS600AB4R <sup>1</sup>         | SPAS600AB4 <sup>1</sup>          |
| 600         | 125-250     | 8                                      | SPAS600AB8R <sup>1</sup>         | SPAS600AB8 <sup>1</sup>          |

<sup>1</sup>600 Vac module not UL Listed.

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

All devices UL listed for factory or field installation except where noted.



Mechanical Operations Counter

### Mechanical Operations Counter

The mechanical operations counter is mounted behind the front cover of the switch. It is viewable through a rectangular knockout window opening in the switch cover. It is a five-digit, non-resettable counter, which is actuated each time the switch is opened by any means.

| Field Installed Product Number | Factory Installed Product Number |
|--------------------------------|----------------------------------|
| SPCOUNTER                      | SPCOUNTER                        |



Limited access pushbutton cover

### Limited Access Pushbutton Cover

This accessory limits access to "ON/OFF" control of a switch to authorized personnel. The pushbutton cover accessory consists of transparent hinged covers that can be individually sealed to the limited access assembly. Both the "ON" and "OFF" buttons can be pilot drilled to allow use of a 1/8" rod to operate either one or both pushbuttons.

| Field Installed Product Number | Factory Installed Product Number |
|--------------------------------|----------------------------------|
| SPPBCOVERR                     | SPPBCOVER                        |



Activating the switch closing mechanism through the hole in the Hidden "ON" Button

### Hidden "ON" Button

The hidden "ON" button is assembled to the mechanism behind an unlabeled, false pushbutton. Manual closing of the switch can only be performed by means of a small diameter rod. This accessory is used to limit access to the manual "ON" control to authorized personnel.

| Field Installed Product Number | Factory Installed Product Number |
|--------------------------------|----------------------------------|
| SPPBNONR                       | SPPBNON                          |

### Maintenance/Repair Parts

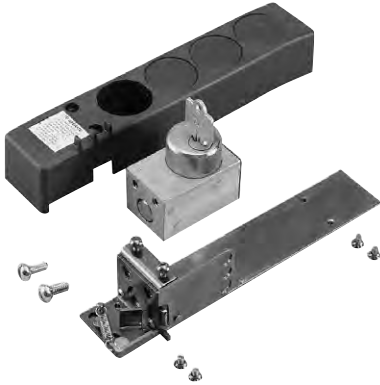
| Description                    | Product Number         |
|--------------------------------|------------------------|
| Top Cover and Rating Labels    | SPBICOVER <sup>1</sup> |
| Visible "On" Button Conversion | SPPBRONR               |

<sup>1</sup>Special handling and order entry required to preserve UL Listing of switch. Contact Post Sale Service for additional details of special process.

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation

All devices UL listed for factory or field installation except where noted.



Key Interlock Kit (lock not included)

### Key Interlock Provisions

The key interlock provision enables the user to mount a one- to four-cylinder, narrowfaced, Kirk-type FN or Superior customer-supplied lock on the face of the switch. This accessory provides mounting for key interlocks that are furnished by the customer. The key interlock provision works in conjunction with the padlock provision. The key interlock extends a lever through the padlock hasp when the key is turned to the key removal or bolt extended position. Additionally, the accessory provides a hasp for mounting three padlocks with 1/4" to 3/8" diameter shanks.

### Key Interlock Reference Table

| Product Number | Number of Locks | Kirk Key Lock Product Number | Superior Product Number |
|----------------|-----------------|------------------------------|-------------------------|
| SPK4           | 1               | KFN00001 <sup>1</sup>        | S105827Y                |
| SPK4           | 2               | KFN00002 <sup>1</sup>        | S105828Y                |
| SPK4           | 3               | KFN00003 <sup>1</sup>        | S105829Y                |
| SPK4           | 4               | KFN00004 <sup>1</sup>        | S105827-4Y              |

<sup>1</sup>Final digit may be 0, 1, 2 or 3 depending on number of key removal positions.

### Product Numbers, Key Interlock Provisions

| Circuit Breaker Envelope Size (Amps) | Number of Key Locks | Field Installed Product Number | Factory Installed Product Number |
|--------------------------------------|---------------------|--------------------------------|----------------------------------|
| All                                  | 1 to 4              | SPK4R                          | SPK4                             |



Door Interlock

### Door Interlock

The door interlock provides interlocking of the switch compartment's hinged door so that the switch must be in the "OFF" position before the door can be opened. The door interlock is defeatable with a small tool to allow authorized access.

| Field Installed Product Number | Factory Installed Product Number |
|--------------------------------|----------------------------------|
| SPDILR                         | SPDIL                            |

### Padlock Provisions (Standard)

Padlocking provisions are standard on all new generation HPC™ switches. When the switch is in the open position, and the padlock hasp is raised at least 1/4", the switch cannot be closed mechanically or electrically. The hasp accepts up to three padlocks with 1/4" to 3/8" diameter shanks.

## HPC™, new generation high-pressure contact switch

Accessories

UL listed

### Adapter Kits

(Accepts either lugs, bus, or Anderson VCEL VersaCrimp)  
For Line or Load end of 3-pole switch.

| Ampere Rating  | Product Number |
|----------------|----------------|
| 800A           | THPCLUGA08     |
| 1200A<br>1600A | TPLUGA16       |

### Field Installed Lugs Kits 800-1600 Ampere Switches - Direct Mounting

Field installed only. Kits consist of lugs and hardware for direct mounting to switch terminal straps (multiple-hole tang lugs) or lugs for mounting to 800 ampere terminal adapter kit. Order three kits for three-pole line or load end. For 1600-ampere, copper conductors must be used.

| Ampere Rating | Lug Per Kit | Max. Cables Per Pole | Wire Range (Cu/Al) | Product Number        |
|---------------|-------------|----------------------|--------------------|-----------------------|
| 800           | 1           | 3                    | (3) 300-750        | THPCLUG308            |
| 1200-1600     | 1           | 6                    | 3/0-800            | TPLUG108 <sup>1</sup> |

<sup>1</sup>For use with adapter kit TPLUGA16 only.

### Field Installed Lugs Kits 2000-4000 Ampere Switches - Direct Mounting

Field installed only. To terminate line and load cables, must be used in conjunction with bus-connection adapter (T Studs). Each lug kit includes lugs, straps and hardware for three-phase line or load connections. Each cable lug accommodates 1-3/0 Cu or 250 kcmil Al to 800 kcmil Cu-Al. Accepts Anderson VersaCrimp when lugs are removed from straps.

| Ampere Rating | No. of Lugs per Pole Line or Load End | Product Number |
|---------------|---------------------------------------|----------------|
| 2000A         | 6                                     | TSLUG20        |
| 2500A         | 7                                     | TSLUG25        |
| 3000A         | 9                                     | TSLUG30        |
| 4000A         | 11                                    | TSLUG40        |

### Field Installed T Studs

Field installed only. May be used to adapt line and load terminals of switch to vertical or horizontal bus arrangements. Three required for line or load connections on three-phase bus. Accepts either lugs, bolts, or Anderson VCEL VersaCrimp.

| Basic Switch Rating (Amperes) | Product Number                                |
|-------------------------------|---|
| 800                           | THPC08FCA <sup>1</sup>                        |
| 1200-1600                     | TP16FCA                                       |
| 2000                          | TS20FCA                                       |
| 2500                          | TS25FCA                                       |
| 3000                          | TS30FCA                                       |
| 4000                          | TS40FCA <sup>2</sup><br>TS40LFCA <sup>3</sup> |

<sup>1</sup>For vertical bussing only.

<sup>2</sup>For load terminals and left/right line terminals.

<sup>3</sup>For center pole, line terminal.

### Lug Kits (For use with adapter only)

(Accepts either lugs, bus or Anderson VCEL Versa Crimp)  
One per Product Number; standard carton contains:  
6 - TPLUG106;  
3 - TPLUG108.

| Ampere Rating | No. of Lugs per Pole Line or Load End | Wire Range Cu/Al                                | Product Number |
|---------------|---------------------------------------|---|----------------|
| 800A          | 3                                     | (1) #2-600 kcmil or<br>(2) 1/0-250 kcmil        | TPLUG106       |
| 800A          | 3<br>6                                | (1) 3/0-800 kcmil Cu or<br>(1) 250-800 kcmil Al | TPLUG108       |

### Trimplate

| Factory Installed Product Number | Field Installable Product Number |
|----------------------------------|----------------------------------|
| SPTRIMPLATE                      | SPTRIMPLATER                     |

## HPC™, new generation high-pressure contact switch

Accessories - HPC™ switch, new generation



TSVG Neutral Current Sensor

### Neutral Current Sensors<sup>1</sup>

| HPC™ Switch Frame (Amperes) | HPC™ Switch Sensor Rating (Amperes) | Neutral Sensor Rating or Tap Settings (Amperes) | Product Number |
|-----------------------------|-------------------------------------|---|----------------|
| 800                         | 200                                 | 200   | TSVG302        |
|                             | 400                                 | 400/200   | TSVG304A       |
|                             | 400                                 | 600/300 <sup>2</sup>                            | TSVG306A       |
| 800-1600                    | 800                                 | 800/400   | TSVG308A       |
|                             | 1000                                | 800/400 <sup>2</sup>                            | TSVG808A       |
| 1600                        | 1000                                | 1000/500  | TSVG810A       |
|                             | 1600                                | 1200/600 <sup>2</sup>                           | TSVG812A       |
|                             | 1600                                | 1600/1000                                       | TSVG816A       |
| 2000                        | 2000                                | 2000/1000                                       | TSVG820A       |
|                             | 1000                                | 800/400 <sup>2</sup>                            | TSVG808A       |
| 3000                        | 1000                                | 1000/500  | TSVG810A       |
|                             | 1000                                | 1200/600 <sup>2</sup>                           | TSVG812A       |
|                             | 1000                                | 1600/1000 <sup>2</sup>                          | TSVG816A       |
|                             | 2000                                | 2000/1200                                       | TSVG820A       |
|                             | 2500                                | 2500/1800                                       | TSVG825A       |
| 4000                        | 3000                                | 3000/2400                                       | TSVG830A       |
|                             | 4000                                | 4000/3000                                       | TSVG940A       |

<sup>1</sup>Match neutral current sensor rating (or tap setting) to new HPC™ switch sensor rating.

<sup>2</sup>For use with multiple source ground fault protection schemes. Rating does not match EntelliGuard™ TU frame sensor.



SSVG Neutral Current Sensors

### Neutral Current Sensors<sup>1</sup>

| HPC™ Switch Frame (Amperes) | HPC™ Switch Sensor Rating (Amperes) | Neutral Sensor Rating or Tap Settings (Amperes) | Product Number of Window Sensor | Inside Diameter (inches) |
|-----------------------------|-------------------------------------|---|---------------------------------|--------------------------|
| 800                         | 800                                 | 800/400   | SSVG808W                        | 4.25                     |
| 1200                        | 12003                               | 2000/1200                                       | SSVG820W                        | 5.63                     |
|                             | 16003                               | 1600/1000                                       | SSVG816W                        | 5.63                     |
| 1600                        | 1600                                | 1600/1000                                       | SSVG816W                        | 5.63                     |
| 2000                        | 2000                                | 2000/12003                                      | SSVG820W                        | 5.63                     |
| 2500                        | 2500                                | 2500/1800                                       | SSVG825W                        | 5.63                     |
| 3000                        | 3000                                | 4000/3000                                       | SSVG940W                        | 6.50                     |
| 4000                        | 4000                                | 4000/3000                                       | SSVG940W                        | 6.50                     |

<sup>1</sup>Match neutral current sensor rating (or tap setting) to new HPC™ Switch sensor rating.

<sup>3</sup>At time of initial product release, the 1200A new HPC™ Switch was using 1600A installed sensors and a 1200A rating plug. Later models may or may not use 1200A phase sensors. Match Neutral sensor tap to HPC™ sensor rating.

## HPC™, new generation high-pressure contact switch

HPC™ switch, new generation

### Reference Publications

|   |           |
|---|-----------|
| Auxiliary Switch Module   | GEH-6274  |
| Bell Alarm - Alarm Only   | GEH-6275  |
| Door Interlock  | GEH-6276  |
| Lugs & Adapters for 800-2000 A Frames   | GEH-4546  |
| Bell Alarm with Lockout   | GEH-6278  |
| Key Interlock Mounting Provision  | GEH-6279  |
| Mechanical Counter  | GEH-6280  |
| Motor Operator Mechanism  | GEH-6281  |
| Push Button Cover   | GEH-6282  |
| Remote Close  | GEH-6283  |
| Shunt Trip and Shunt Trip with Lockout (except 480 and 600 Vac)   | GEH-6284  |
| Shunt Trip and Shunt Trip with Lockout, 480 & 600 Vac   | GEH-6519  |
| Undervoltage Release (except 480 and 600 Vac)   | GEH-6285  |
| Undervoltage Release, 480 & 600 Vac   | GEH-6520  |
| Instructions, HPC™ Heat Sink Installation   | DEH-41694 |
| Instructions, HPC™ Blown Fuse Protector   | DEH-41695 |
| EntelliGuard™ TU Trip Unit  | DEH-4567  |
| HPC™ Switches, New Generation, User's Guide   | DEH-41689 |
| Time Current Curves HPC™ Switches, New Generation, Ground Fault   | DES-121   |
| Time Current Curves HPC™ Switches,<br>New Generation, Adjustable Selective Instantaneous Trip,<br>Reduced Energy Let-Through (RELT) | DES-122   |
| HPC™ Switches, New Generation, Instantaneous Protection Guide   | DEE-715   |

