



Representative Image

## Alternate Catalog No. CA4-31M Catalog No. 1SBN010140R1131

**Description:** CA4-31M Auxiliary Contact Block

**UPC No** 3471523130173

**Home > Contactors & Starters > UL Listed IEC Contactors > AF Contactors**

The auxiliary contact blocks are used for the operation of auxiliary circuits and control circuits for standard industrial environments. Types of auxiliary contact blocks for front mounting: • CA4 1 or 4-pole block, with instantaneous N.O., N.C. contacts • CC4 1-pole block, with N.O. leading contact or N.C. lagging contact • CAT4 2-pole block, with instantaneous N.O. + N.C. contacts and A1 / A2 coil terminal connection on front face. Select the 4-pole auxiliary contact blocks CA4-..E, CA4-..M, CA4-..U or CA4-..N type, according to the contactor or contactor relay type for compliance with the standard requirements (see "Terminal marking and positioning"). Types of auxiliary contact blocks for side mounting: • CAL4 2-pole block, with instantaneous N.O. + N.C. contacts. For clipping onto the right- and/or left-hand side of the contactors. The auxiliary contact blocks are equipped with screw type connecting terminals delivered open, protected against accidental direct contact and bear the corresponding function marking.

### Descriptors

|                      |               |
|----------------------|---------------|
| Category             | AF Contactors |
| Block Contactor Type | Aux Contact   |

### Specifications

|                                           |                                                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------|
| Product Type                              | AF                                                                                       |
| Object Classification Code                | K                                                                                        |
| Terminal Type                             | Screw Terminals                                                                          |
| Number of Auxiliary Contacts NO           | 3                                                                                        |
| RoHS Status                               | Following EU Directive 2011/65/EU                                                        |
| Rated Operational Voltage                 | Auxiliary Circuit 24 ... 690 V                                                           |
| Number of Auxiliary Contacts NC           | 1                                                                                        |
| Tightening Torque UL/CSA                  | Auxiliary Circuit 11 IA                                                                  |
| Conventional Free-air Thermal Current     | acc. to IEC 60947-5-1, q = 40 °C 16 A                                                    |
| Rated Operational Current AC-15           | (220 / 240 V) 4 A<br>(24 / 127 V) 6 A<br>(500 V) 2 A<br>(690 V) 2 A<br>(400 / 440 V) 3 A |
| Rated Frequency                           | Auxiliary Circuit 50 Hz<br>Auxiliary Circuit 60 Hz                                       |
| Rated Short-time Withstand Current        | for 0.1 s A<br>for 1 s A                                                                 |
| Maximum Electrical Switching Frequency    | AC-15 1200 cycles per hour<br>DC-13 900 cycles per hour                                  |
| Rated Insulation Voltage                  | acc. to UL/CSA 600 V<br>acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V                 |
| Maximum Mechanical Switching Frequency    | 3600 cycles per hour                                                                     |
| Secondary Rated Impulse Withstand Voltage | 6 kV                                                                                     |

**by ABB**

## Specifications

|                                       |                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Current DC-13       | (125 V) 0.55 A / 69 W<br>(24 V) 6 A / 144 W<br>(250 V) 0.27 A / 68 W<br>(48 V) 2.8 A / 134 W<br>(72 V) 1 A / 72 W<br>(110 V) 0.55 A / 60 W<br>(220 V) 0.27 A / 60 W<br>(400 V) 0.15 A / 60 W<br>(500 V) 0.13 A / 65 W<br>(600 V) 0.1 A / 60 W |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 m <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5/2x 0.75 ... 1.5 m <sup>2</sup><br>Rigid 1/2x 1 ... 2.5 m <sup>2</sup>                                                               |
| Wire Stripping Length                 | Auxiliary Circuit 10 mm                                                                                                                                                                                                                       |

## Classifications

|          |                                                          |
|----------|----------------------------------------------------------|
| ETIM 4   | EC002498 - Accessories for low-voltage switch technology |
| ETIM 6.0 | EC000041 - Auxiliary contact block                       |
| ETIM 7   | EC000041 - Auxiliary contact block                       |
| ETIM 5.0 | EC002498 - Accessories for low-voltage switch technology |

## Dimensions

|                    |          |
|--------------------|----------|
| Product Net Weight | 0.055 kg |
|--------------------|----------|

## Package Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 46 mm         |
| Package Level 1 Depth / Length | 46 mm         |
| Package Level 1 EAN            | 3471523130173 |
| Package Level 1 Units          | box 1 piece   |
| Package Level 2 Units          | 192 piece     |
| Package Level 3 Units          | 4608 piece    |
| Package Level 2 Gross Weight   | 10.56 kg      |

## Ordering

|                        |   |
|------------------------|---|
| Minimum Order Quantity | 1 |
|------------------------|---|