

DSN100 Switch-Rated - 100 A

UL/CSA Ratings

- **Max Amperage & Voltage**
100 A, 600 VAC
- **Switch-Rating (AC Only)**
Branch Circuit & Motor Circuit
Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 hp
- **Short Circuit Rating**
100 kA Close & Withstand
Testing was performed with 250 A RK1
fast-acting Mersen fuses.
- **Environmental Ratings**
Type 4X/IP66/IP67/IP69/IP69K
- **Temperature Range**
Min -40°F/Max 140°F
See pg 260 for temperatures outside
of this range.
- **Wiring Capacity**
Based on THHN wire sizes
Min 10 AWG Max 2 AWG
Aux Contacts: Prewired 14 AWG
- **Certifications**
UL 2682, UL 1682,
CSA C22.2 NO. 182.1, NOM

Receptacle (female)



Inlet (male)



! Remember to add installation
accessories to your order

North American UL/CSA Configurations

NOTE: Poly devices should not be inter-mated with metal devices

VOLTAGE	POLARITY	PART #		PART #	
		POLY	METAL	POLY	METAL
120 V	1P+N+G	63-84165	67-84165	63-88165	67-88165
120 208 V	3P+N+G	63-84167	67-84167	63-88167	67-88167
125 V	1P+N+G	63-84075	67-84075	63-88075	67-88075
125 250 V	2P+N+G	63-84076	67-84076	63-88076	67-88076
208 V	2P+G	63-84162	67-84162	63-88162	67-88162
208 V	3P+G	63-84163	67-84163	63-88163	67-88163
250 V	2P+G	63-84072	67-84072	63-88072	67-88072
250 V	3P+G	63-84073	67-84073	63-88073	67-88073
277 V	1P+N+G	63-84045	67-84045	63-88045	67-88045
277 480 V	3P+N+G	63-84047	67-84047	63-88047	67-88047
347 600 V	3P+N+G	63-84147	67-84147	63-88147	67-88147
480 V	2P+G	63-84042	67-84042	63-88042	67-88042
480 V	3P+G	63-84043	67-84043	63-88043	67-88043
600 V	2P+G	63-84142	67-84142	63-88142	67-88142
600 V	3P+G	63-84143	67-84143	63-88143	67-88143

For international configurations and ratings (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



**Auxiliary/Pilot
Contacts**



**Mushroom
Pawl**



Padlock Pawl



**Self-Returning
Lid**

Recommended for cord
applications to keep lid
tucked in to avoid damage.

RECEPTACLE OPTIONS

SUFFIX

INLET OPTIONS

SUFFIX

With 2 Auxiliary/Pilot Contacts

Recept # -972

With 2 Auxiliary/Pilot Contacts

Inlet # -972

With 3 Auxiliary/Pilot Contacts

Recept # -263

With 3 Auxiliary/Pilot Contacts

Inlet # -263

With 4 Auxiliary/Pilot Contacts

Recept # -264

With 4 Auxiliary/Pilot Contacts

Inlet # -264

Straight Insertion

Recept # -352²

Self-Ejecting Plug Release**

Inlet # -338

Self-Ejecting Connector Release**

Recept # -354²

Without Lockout Hole

Inlet # A155

Mushroom Pawl

Recept # -375

For Microswitch

Inlet # -270^{3,4}

Padlock Pawl

Recept # -843

Screw-Type Locking Pawl

Recept # -845

Metal Pawl (on Poly Receptacle)

Recept # -824

Self-Returning Lid (Manual Close)

Recept # -NC

With Microswitch

Recept # -270^{3,4}

Notes:

** For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 239-240 for more information.

² This option includes the Self-Returning Lid.

³ Not UL/CSA listed.

⁴ Not available on 3P+N+G configurations.

! See pages 237-246 for detailed
information on these options

Order Example: 480 V DSN100 + 2 auxiliary contacts
DSN100 Poly inlet 3P+G = 63-88043-972



INSTALLATION ACCESSORIES – SIZE 4

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see pg 231.

POLY HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.680-.980"	714P0DP4
		.980-1.260"	714P0EP4
		1.260-1.560"	714P0FP1

METAL HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.750-.875"	794P0DS1
		.875-1.000"	794P0DS3
		1.000-1.125"	794P0ES2
		1.125-1.250"	794P0FS0
		1.250-1.375"	794P0FS1
		1.375-1.438"	794P0FS4
		1.438-1.562"	794P0FS2*
		1.562-1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		CABLE RANGE	PART #
		.511-1.377"	514P0D35

POLY HANDLE WITH BUILT IN DRAWPLATES		CABLE RANGE	PART #
		.511-1.377"	514P0D35473

Makes connector closures easier.

SANTOPRENE HANDLE		CABLE RANGE	PART #
		.551-.787"	554P0D20L
		.708-.984"	554P0D25L
		.984-1.377"	554P0D35L
		1.377-1.771"	554P0D45L
		1.771-1.929"	554P0D49L

ANGLES

POLY ANGLE		ANGLE	PART #
	30°	514M3	
	70°	514M7	Panel mounting only.

METAL ANGLE		ANGLE	PART #
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	30° Oversized	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 50.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY WITH NPT		ANGLE	SIZE	PART #	Notes
	30°	1/2"	514B3N05		For poly devices only
	30°	3/4"	514B3N07		
	30°	1"	514B3N10		* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12		
	30°	1 1/2"	514B3N15		

POLY WALL BOX WITH ANGLE		ANGLE	PART #	Notes
	70°		514C7000	70° poly boxes are not drilled.
				* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT		ANGLE	SIZE	PART #	Notes
	70°	1/2"	714C7N05		
	70°	3/4"	714C7N07		
	70°	1"	714C7N10		* Interior volume with receptacle installed.
	70°	1 1/4"	714C7N12		
	70°	1 1/2"	714C7N15		
	70°	2"	714C7N20		

METAL BOX WITH NPT		ANGLE	SIZE	PART #	Notes
	0°	1"	7T4F0N10		
	0°	1 1/4"	7T4F0N12		
	0°	1 1/2"	7T4F0N15		
	0°	2"	7T4F0N20		
	0°	2 1/2"	7T4F0N25		

POLY ANGLE WITH METAL BOX WITH NPT		ANGLE	SIZE	PART #	Notes
	30°	1"	714C3N10		For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12		
	30°	1 1/2"	714C3N15		* Interior volume with receptacle installed.
	30°	2"	714C3N20		
	30°	2 1/2"	714C3N25		

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		PART #	Notes
		31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for facilitated mating.

PROTECTIVE INLET/PLUG CAP		PART #	Notes
		31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		PART #	Notes
		DS6PC	Poly – For Inlets/Plugs Only.
		DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		PART #	Notes
		31-6A226	For Poly Inlets/Plugs Only.
		39-6A226	For Metal Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		PART #	Notes
		LP-843	Requires Padlockable Pawl option (-843) on receptacle.