

DSN100 Switch-Rated - 100 A

DSN100

DSN

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
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 4X/IP66/IP67/IP69/IP69K
- Temperature Range**
Min -40°F/Max 140°F
See pg 254 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)



! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

VOLTAGE	POLARITY	PART #		PART #	
		POLY	METAL	POLY	METAL
120 V	1P+N+G	63-84165	69-84165	63-88165	69-88165
120 208 V	3P+N+G	63-84167	69-84167	63-88167	69-88167
125 V	1P+N+G	63-84075	69-84075	63-88075	69-88075
125 250 V	2P+N+G	63-84076	69-84076	63-88076	69-88076
208 V	2P+G	63-84162	69-84162	63-88162	69-88162
208 V	3P+G	63-84163	69-84163	63-88163	69-88163
250 V	2P+G	63-84072	69-84072	63-88072	69-88072
250 V	3P+G	63-84073	69-84073	63-88073	69-88073
277 V	1P+N+G	63-84045	69-84045	63-88045	69-88045
277 480 V	3P+N+G	63-84047	69-84047	63-88047	69-88047
347 600 V	3P+N+G	63-84147	69-84147	63-88147	69-88147
480 V	2P+G	63-84042	69-84042	63-88042	69-88042
480 V	3P+G	63-84043	69-84043	63-88043	69-88043
600 V	2P+G	63-84142	69-84142	63-88142	69-88142
600 V	3P+G	63-84143	69-84143	63-88143	69-88143

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.

! See pages 231-240 for detailed information on these options

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 # -352 ²	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 ²	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 233-234 for more information.

² This option includes the Self-Returning Lid.

³ Not UL/CSA listed.

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

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 159.

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		
	.770-.850"	794P0DS1
	.875-1.000"	794P0DS3
	1.000-1.125"	794P0ES2
	1.250-1.375"	794P0FS1
	1.438-1.562"	794P0FS2*
	1.562-1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.511-1.377"	514P0D35

POLY HANDLE WITH BUILT IN DRAWPLATES		
	.511-1.377"	514P0D35473

Makes connector closures easier.

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

ANGLES

POLY ANGLE			
	30°	514M3	 514M7 Panel mounting only.
METAL ANGLE			
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	30° Oversized	794M3	Mounts on oversize box only. Order with 7T5FDNxx. See pg 50.
	70°	594M7	

Mounts on oversize box only. Order with 715F0Nxx. See pg 50.

BOXES

POLY CONDUIT ENTRY WITH NPT		PART #	
	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	

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

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

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

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

* 61.0 in³ Poly Angle

* 59.4 in³ Metal Angle

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	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		
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal Inlets/Plugs Only.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.