

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
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
Type 4X/IP69/IP69K*
* Also meets IP66/IP67 requirements.
- **Temperature Range**
Min -40°F/Max 140°F
See pg 252 for temperatures outside of this range.
- **Wiring Capacity**
Min 10 AWG Max 2 AWG
Aux Contacts - Prewired 14 AWG
* Based on THHN wire sizes
- **Certifications**
UL 2682, UL 1682, CSA 182.1, NOM

Receptacle (female)



Inlet (male)



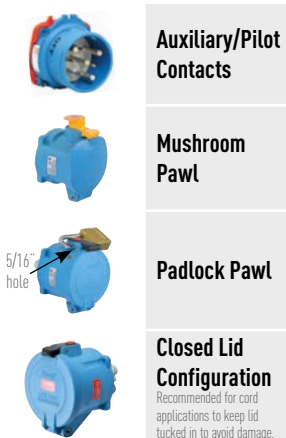
! Don't forget to add installation accessories to your order

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

Closed Lid Configuration
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 # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270+
Padlock Pawl	Recept # -843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Microswitch	Recept # -270+		

Notes:

* Not UL/CSA listed. Not available on 3P+N+G configurations.

** For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.

~ Standard closed lid configuration.



! See pages 231-238 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

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2" NPT	514P0N05	594P0N05
	3/4" NPT	514P0N07	594P0N07
	1" NPT	514P0N10	594P0N10
	1 1/4" NPT	514P0N12	594P0N12
	1 1/2" NPT	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	CABLE RANGE	PART #
	.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	CABLE RANGE	PART #
	.511-1.377"	514P0D35






POLY HANDLE WITH BUILT IN DRAW GRIPS	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		PART #	ANGLE	PART #
	30 DEGREE	514M3		514M7
	70 DEGREE			Panel mounting only.

METAL ANGLE		PART #
	0°	594M0
	30 DEGREE	594M3
	30 DEGREE	794M3L
	30° Oversized	794M3
	70 DEGREE	594M7

Mounts on oversize box only. Order with 7T5F0Nxx. See pg 50.

BOXES


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

* 27.7 in³

POLY WALL BOX WITH ANGLE			PART #
	70 DEGREE		514C7000

70° poly boxes are not drilled.


* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT			
	70 DEGREE	1/2" NPT	714C7N05
	70 DEGREE	3/4" NPT	714C7N07
	70 DEGREE	1" NPT	714C7N10
	70 DEGREE	1 1/4" NPT	714C7N12
	70 DEGREE	1 1/2" NPT	714C7N15

* 177.7 in³

Ground Bar 51-AA089


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

POLY ANGLE WITH METAL BOX WITH NPT			
	30 DEGREE	1" NPT	714C3N10
	30 DEGREE	1 1/4" NPT	714C3N12
	30 DEGREE	1 1/2" NPT	714C3N15
	30 DEGREE	2" NPT	714C3N20



* 61.0 in³ Poly Angle
* 59.4 in³ Metal Angle


For metal angle, replace "71" prefix with "79".
* Interior volume with receptacle installed.

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.

In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.

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