

DSN100 Switch-Rated Plugs & Receptacles – 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 266 for temps below -15°F.
- Wiring Capacity**
Min 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
- Certifications**
UL 2682, UL 1682, CSA 182.1

NEW!

**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 Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes:

** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

Notes: + Not UL/CSA listed.
** Required when mating to rigid mounted male inlet.



! See pages 243-252 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


Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES


HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	514PON05	594PON05
	3/4"	514PON07	594PON07
	1"	514PON10	594PON10
	1 1/4"	514PON12	594PON12
	1 1/2"	514PON15	594PON15


For available cord grips, see page 169. Add-443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1


METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.750 - .875"	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 #
	.51 - 1.38"	514P0D35


POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.51 - 1.38"	514P0D35473

Makes connector closures easier.


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

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

METAL ANGLE		Part #
	0°	594M0
	30°	594M3
	30°	794M3L
	Oversized 30°	794M3
		Mounts on oversize box only. Order with 715F0Nxx. See pg 52.
	70°	594M7


BOXES

POLY CONDUIT ENTRY w/NPT		Part #
	30°	1/2" 514B3N05
	30°	3/4" 514B3N07
	30°	1" 514B3N10
	30°	1 1/4" 514B3N12

* 27.7 in³

For poly devices only

* Interior volume with receptacle installed.


POLY WALL BOX w/ANGLE		Part #
	70°	514C7000

* 181.24 in³

70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.

Ground Bar **51AA089**


* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT		Part #
	70°	1/2" 714C7N05
	70°	3/4" 714C7N07
	70°	1" 714C7N10
	70°	1 1/4" 714C7N12
	70°	1 1/2" 714C7N15

* 177.7 in³

* Interior volume with receptacle installed.

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

POLY ANGLE WITH METAL BOX w/NPT		Part #
	30°	1" 714C3N10
	30°	1 1/4" 714C3N12
	30°	1 1/2" 714C3N15
	30°	2" 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 to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	
	31-6A226 For Poly Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
	39-6A226 For Metal Inlets/Plugs Only.

RECEPTACLE LOCKING PIN	
	LP-843 Requires Padlockable Pawl option [-843] on receptacle.