

# 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



## 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](http://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	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
With 3 Auxiliary/Pilot Contacts	<b>Recept # -263</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # -263</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # -264</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # -264</b>
Straight Insertion	<b>Recept # -352~</b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354~</b>	With No Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Auxiliary Switch	<b>Inlet # -270+</b>
Padlock Pawl	<b>Recept # -843</b>		
Padlockable Mushroom Pawl	<b>Recept # -375-843</b>		
Screw-Type Locking Pawl	<b>Recept # -845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # -824</b>		
Closed Lid Configuration	<b>Recept # -NC</b>		
With Auxiliary Switch	<b>Recept # -270+</b>		

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

### 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.

**!** 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


Accessories can be used with either poly or metal plugs and receptacles.

**HANDLES**


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


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

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


METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.750 - .875"	<b>794P0DS1</b>
	.875 - 1.000"	<b>794P0DS3</b>
	1.000 - 1.125"	<b>794P0ES2</b>
	1.250 - 1.375"	<b>794P0FS1</b>
	1.438 - 1.562"	<b>794P0FS2*</b>
	1.562 - 1.688"	<b>794P0FS3*</b>

\*May require stripping of cable jacket.

POLY HANDLE	Cable Range	Part #
	.51 - 1.38"	<b>514P0D35</b>


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

Makes connector closures easier.

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

**ANGLES**

POLY ANGLE		Part #	Angle	Part #	Notes
	30°	<b>514M3</b>		<b>514M7</b>	Panel mounting only.
	70°				

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


**BOXES**

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


\* 27.7 in<sup>3</sup>

For poly devices only

\* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE		Part #	Notes
	70°	<b>514C7000</b>	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
	Ground Bar	<b>51AA089</b>	* Interior volume with receptacle installed.


\* 181.24 in<sup>3</sup>

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

\* 177.7 in<sup>3</sup>

\* Interior volume with receptacle installed.

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

POLY ANGLE WITH METAL BOX w/NPT		Part #	Notes
	30°	1"	<b>714C3N10</b>
	30°	1 1/4"	<b>714C3N12</b>
	30°	1 1/2"	<b>714C3N15</b>
	30°	2"	<b>714C3N20</b>


\* 61.0 in<sup>3</sup> Poly Angle

\* 59.4 in<sup>3</sup> Metal Angle


For metal angle, replace "71" prefix with "79".


\* Interior volume with receptacle installed.


**MISCELLANEOUS ACCESSORIES**

FINGER DRAWPLATES		Part #	Notes
	Set of Two (2)	<b>31-6A346</b>	Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		Part #	Notes
	For Inlets/Plugs Only.	<b>31-6A426</b>	

PADLOCKABLE INLET/PLUG CAP		Part #	Notes
	Poly – For Inlets/Plugs Only.	<b>DS6PC</b>	
	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.	<b>DS6MC</b>	

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

RECEPTACLE LOCKING PIN		Part #	Notes
	Requires Padlockable Pawl option [-843] on receptacle.	<b>LP-843</b>	