

# DSN Switch-Rated Plug and Receptacle with Type 4X/IP69/IP69K protection



## Main Advantages

- ▶ Switch & Hp rated
- ▶ 100 kA short circuit rated\*
- ▶ Type 4X/IP69/IP69K or IP66/IP67
- ▶ Compact, lightweight design
- ▶ Up to 6 auxiliary contacts

\* See note under General Ratings on the next page.



## Highlighted Advantage



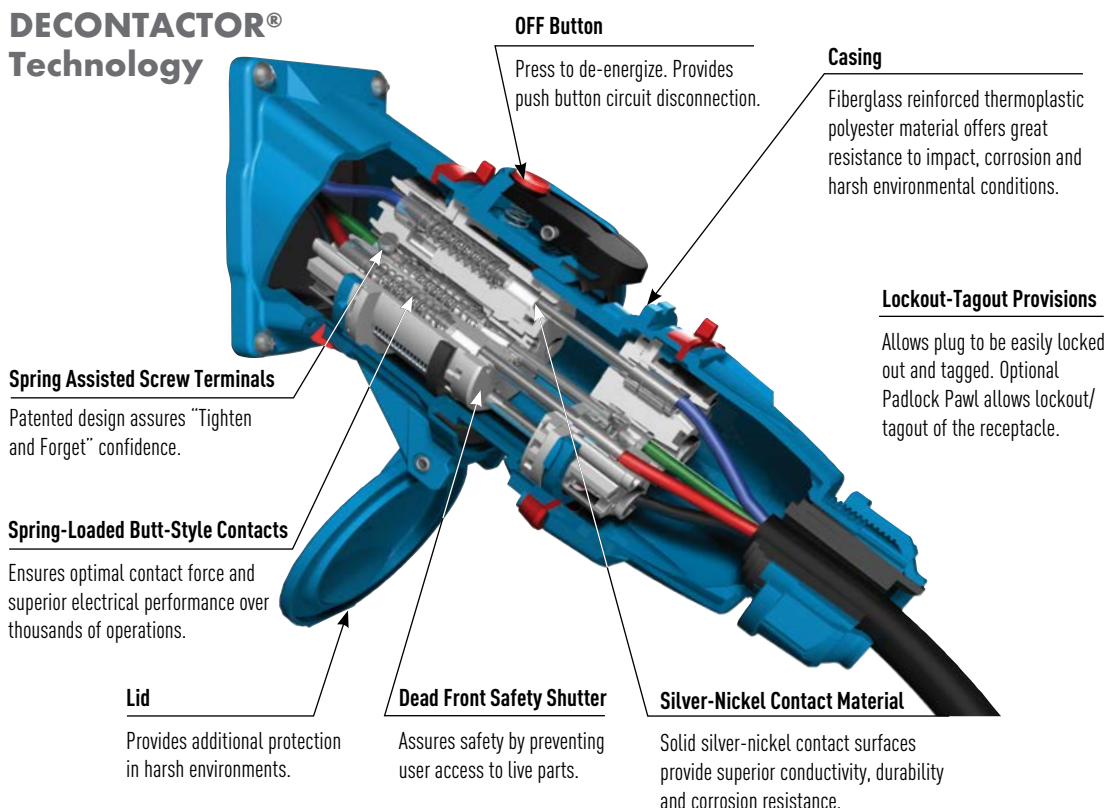
Simplify Compliance to NFPA 70E & CSA Z462 see pgs 19-20 for more information.



- |                        |       |               |       |
|------------------------|-------|---------------|-------|
| ▶ Features and Ratings | p. 26 | ▶ DSN150      | p. 33 |
| ▶ DSN20                | p. 27 | ▶ Spare Parts | p. 35 |
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# PRODUCT FEATURES

## DECONTACTOR® Technology



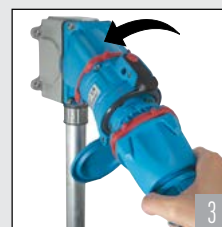
## Operating Instructions



When the plug and receptacle are latched together, the circuit is connected.



Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; The contacts are now dead.



Rotating the 'dead' plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.



The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

## General Ratings

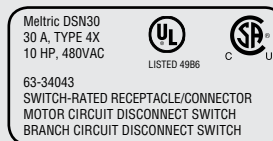
<b>Amperage</b>	20 to 150 A
<b>Voltage</b>	600 VAC
<b>Frequency</b>	50-400 Hz
<b>Horsepower</b>	.75 to 75 hp
<b>Short-Circuit (Make &amp; Withstand)</b>	100kA*
<b>Environmental</b>	Type 4X/IP69/IP69K
<b>Temperature</b>	min -40°F/max 140°F

\* DSN20, DSN30, DSN60: Testing was performed with RK1 current limiting fuses sized at 400% or more of the highest full load motor ampacity associated with the devices horsepower ratings.

\* DSN150: 100kA testing was performed with 225 A RK1 non-time delay Mersen fuses. 10kA testing was performed with 400 A RK1 non-time delay Mersen fuses.

## Highlighted Feature

### Typical Device Labels



MELTRIC DSN Series Switch-Rated devices are UL & CSA rated for "motor circuit" and "branch circuit" disconnect switching – up to 75 hp and up to 150 A.

## Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1
Branch Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23
Motor Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23

CE ratings available upon request.

# DSN20 Switch-Rated Plugs & Receptacles – 20 A

## UL/CSA Ratings

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

120V	1Ø	.75 hp
240V	1Ø	2 hp
208V	3Ø	3 hp
240V	3Ø	3 hp
480V	3Ø	7.5 hp
600V	3Ø	7.5 hp
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with 35 A RK1 non-time delay Mersen fuses.  
10kA Close & Withstand  
Testing was performed with 50 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**  
Type 4X/IP69/IP69K\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F / Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 12 AWG  
Aux Contacts - 18 AWG prewired
- **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 # Poly	Part # Poly
120V	1P+N+G	63-14165	63-18165
120 208V	3P+N+G	63-14167	63-18167
125V	1P+N+G	63-14075	63-18075
125 250V	2P+N+G	63-14076	63-18076
208V	2P+G	63-14162	63-18162
208V	3P+G	63-14163	63-18163
250V	2P+G	63-14072	63-18072
250V	3P+G	63-14073	63-18073
277V	1P+N+G	63-14045	63-18045
277 480V	3P+N+G	63-14047	63-18047
347 600V	3P+N+G	63-14147	63-18147
480V	2P+G	63-14042	63-18042
480V	3P+G	63-14043	63-18043
600V	2P+G	63-14142	63-18142
600V	3P+G	63-14143	63-18143

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



**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>	Self-Ejecting Plug Release	<b>Inlet # - 338</b>
Straight Insertion	<b>Recept # - 352</b>	With No Lockout Hole	<b>Inlet # - A155</b>
Self-Ejecting Connector Release	<b>Recept # - 354</b>		
Mushroom Pawl	<b>Recept # - 375</b>		
Padlock Pawl	<b>Recept # - 843</b>		
Padlockable Mushroom Pawl	<b>Recept # - 375-843</b>		
Metal Pawl	<b>Recept # - 824</b>		
Closed Lid Configuration	<b>Recept # - NC</b>		



**Notes:** \* Unlike other DSN & DS products, the DSN20 pilots are only on the receptacle side and create a continuity loop that is completed when a plug is connected to the receptacle.

**!** See pages 235-244 for detailed information on these options


**Order Example: 480V DSN20 with padlock pawl**  
DSN20 Receptacle 3P+G = 63-14043-843


# INSTALLATION ACCESSORIES – SIZE 1


## HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	511P0N05	791P0N05L
	3/4"	511P0N07	791P0N07L
	1"	511P0N10	791P0N10L


For available cord grips, see page 167.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4


METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.438 - .500"	791P0BS3L
	.500 - .562"	791P0BS4L
	.562 - .625"	791P0CS1L
	.625 - .750"	791P0CS4L

POLY HANDLE	Cable Range	Part #
	.35 - .70"	511P0D18


POLY EXTENDED HANDLE	Cable Range	Part #
	.20 - .83"	511P0D21


POLY ANGLED HANDLE	Cable Range	Part #
	.35 - .70"	511P6D18


## ANGLES

POLY ANGLE			
	MB Box 30°	511M3	


	70°	511M7	Panel mounting only.
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METAL ANGLE			
	0°	591M0	

	FS/FD Box 30°	791M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
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	45°	591M4	
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## BOXES

POLY CONDUIT ENTRY w/NPT				Part #
	30°	1/2"		511B3N05
	30°	3/4"		511B3N07


\* 6.7 in<sup>3</sup>

\* Interior volume with receptacle installed.


POLY WALL BOX w/ANGLE				
	70°			511C7000

\* 82.0 in<sup>3</sup>

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


	Ground Bar			51AA089
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\* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT				
	70°	1/2"		711C7N05
	70°	3/4"		711C7N07
	70°	1"		711C7N10
	70°	1 1/4"		711C7N12
	70°	1 1/2"		711C7N15

\* 74.6 in<sup>3</sup>

\* Interior volume with receptacle installed.

METAL BOX w/NPT				
	0°	1/2"		7T1F0N05
	0°	3/4"		7T1F0N07
	0°	1"		7T1F0N10
	0°	1 1/4"		7T1F0N12


POLY ANGLE WITH METAL BOX w/NPT				
	30°	1/2"		711C3N05
	30°	3/4"		711C3N07
	30°	1"		711C3N10
	30°	1 1/4"		711C3N12

\* 29.8 in<sup>3</sup>

\* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

## MISCELLANEOUS ACCESSORIES


FINGER DRAWPLATES		
	61-1A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	61-1A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	61-1A826	For Inlets/Plugs Only.

SCREWDRIVER FOR TERMINAL SCREWS		
	SD18	Klein 608-3 1/8" cabinet with 3" round shank.

EASY RETROFIT ADAPTER PLATES		
	see pg 164	Mount to existing boxes.

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

# DSN30 Switch-Rated Plugs & Receptacles – 30 A

## UL/CSA Ratings

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

120V	1Ø	2 hp
240V	1Ø	3 hp
208V	3Ø	5 hp
240V	3Ø	5 hp
480V	3Ø	15 hp
600V	3Ø	15 hp
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**  
Type 4X/IP69/IP69K\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 8 AWG  
Aux Contacts - 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 # Poly	Part # Poly
120V	1P+N+G	63-34165	63-38165
120 208V	3P+N+G	63-34167	63-38167
125V	1P+N+G	63-34075	63-38075
125 250V	2P+N+G	63-34076	63-38076
208V	2P+G	63-34162	63-38162
208V	3P+G	63-34163	63-38163
250V	2P+G	63-34072	63-38072
250V	3P+G	63-34073	63-38073
277V	1P+N+G	63-34045	63-38045
277 480V	3P+N+G	63-34047	63-38047
347 600V	3P+N+G	63-34147	63-38147
480V	2P+G	63-34042	63-38042
480V	3P+G	63-34043	63-38043
600V	2P+G	63-34142	63-38142
600V	3P+G	63-34143	63-38143

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>
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 # - NNF*</b>
Padlock Pawl	<b>Recept # - 843</b>	<b>Notes:</b> * Order inlet with P+N+G configuration and receptacle with P+G configuration.	
Padlockable Mushroom Pawl	<b>Recept # - 375-843</b>		
Metal Pawl	<b>Recept # - 824</b>		
Closed Lid Configuration	<b>Recept # - NC</b>		
With Auxiliary Switch	<b>Recept # - 270+</b>		



**Notes:** + Not UL/CSA listed.

! See pages 235-244 for detailed information on these options


**Order Example: 480V DSN30 + 2 auxiliary contacts**  
DSN30 Inlet 3P+G = 63-38043-972

# INSTALLATION ACCESSORIES – SIZE 2


## HANDLES


HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	-

For available cord grips, see page 167.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3


POLY HANDLE	Cable Range	Part #
	.20 - .83"	512P0D21

POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22


## ANGLES

POLY ANGLE		Part #
	30°	512M3


POLY ANGLE		Part #	Notes
	70°	512M7	Panel mounting only.

METAL ANGLE		Part #
	0°	592M0


METAL ANGLE		Part #
	30°	592M3


METAL ANGLE		Part #	Notes
	FS/FD Box 30°	792M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.


## BOXES

POLY CONDUIT ENTRY w/NPT			Part #	Notes
	30°	1/2"	512B3N05	* Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

POLY WALL BOX w/ANGLE			Part #	Notes
	70°		512C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.


POLY ANGLE w/METAL WALL BOX w/NPT			Part #	Notes
	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	

METAL BOX w/NPT			Part #
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE w/METAL BOX w/NPT			Part #	Notes
	30°	1/2"	712C3N05	* Interior volume with receptacle installed.
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

## MISCELLANEOUS ACCESSORIES


FINGER DRAWPLATES		Part #	Notes
		61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		Part #	Notes
		61-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		Part #	Notes
		61-3A826	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		Part #	Notes
		61-3A226	Metal - For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SCREWDRIVER FOR TERMINAL SCREWS		Part #	Notes
		SD18	Klein 608-3 1/8" cabinet with 3" round shank.

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

# DSN60 Switch-Rated Plugs & Receptacles – 60 A

## UL/CSA Ratings

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

120V	1Ø	2 hp
240V	1Ø	3 hp
208V	3Ø	7.5 hp
240V	3Ø	7.5 hp
480V	3Ø	20 hp
600V	3Ø	20 hp
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**  
Type 4X/IP69/IP69K\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 12 AWG Max 4 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 # Poly	Part # Poly
120V	1P+N+G	63-64165	63-68165
120 208V	3P+N+G	63-64167	63-68167
125V	1P+N+G	63-64075	63-68075
125 250V	2P+N+G	63-64076	63-68076
208V	2P+G	63-64162	63-68162
208V	3P+G	63-64163	63-68163
250V	2P+G	63-64072	63-68072
250V	3P+G	63-64073	63-68073
277V	1P+N+G	63-64045	63-68045
277 480V	3P+N+G	63-64047	63-68047
347 600V	3P+N+G	63-64147	63-68147
480V	2P+G	63-64042	63-68042
480V	3P+G	63-64043	63-68043
600V	2P+G	63-64142	63-68142
600V	3P+G	63-64143	63-68143

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 # - 973</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # - 973</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # - 974</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # - 974</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 # - NNF*</b>
Padlock Pawl	<b>Recept # - 843</b>	<b>Notes:</b> * Order inlet with P+N+G configuration and receptacle with P+G configuration.	
Padlockable Mushroom Pawl	<b>Recept # - 375-843</b>		
Metal Pawl	<b>Recept # - 824</b>		
Closed Lid Configuration	<b>Recept # - NC</b>		
With Auxiliary Switch	<b>Recept # - 270+</b>		

**Notes:** + Not UL/CSA listed.





**!** See pages 235-244 for detailed information on these options

**Order Example: 480V DSN60 + 2 auxiliary contacts**  
DSN60 Inlet 3P+G = 63-68043-972


# INSTALLATION ACCESSORIES – SIZE 3


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


**HANDLES**


HANDLE w/NPT	Part # Poly	Part # Metal
 Poly 1/2"	<b>513P0N05</b>	<b>593P0N05</b>
 Poly 3/4"	<b>513P0N07</b>	<b>593P0N07</b>
 Metal 1"	<b>513P0N10</b>	<b>593P0N10</b>
 Metal 1 1/4"	<b>513P0N12</b>	<b>593P0N12</b>

For available cord grips, see page 167.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	<b>713P0CP5</b>
	.680 - .980"	<b>713P0DP4</b>
	.980 - 1.260"	<b>713P0EP4</b>

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.625 - .750"	<b>793P0CS4</b>
	.750 - .875"	<b>793P0DS1</b>
	.875 - 1.000"	<b>793P0DS3</b>
	1.000 - 1.125"	<b>793P0ES2</b>


POLY HANDLE	Cable Range	Part #
	.39 - 1.18"	<b>513P0D30</b>

POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.39 - 1.18"	<b>513P0D30473</b>


Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.750 - .875"	<b>713P0S14</b>
	.875 - 1.000"	<b>713P0S16</b>
	1.000 - 1.125"	<b>713P0S18</b>
	1.125 - 1.250"	<b>713P0S20</b>
	1.250 - 1.375"	<b>713P0S22</b>


**ANGLES**

POLY ANGLE	Angle	Part #
	30°	<b>513M3</b>

	70°	<b>513M7</b>	Panel mounting only.
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METAL ANGLE	Angle	Part #
	0°	<b>593M0</b>

	30°	<b>593M3</b>
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	FS/FD Box 30°	<b>793M3FS</b>	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
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	70°	<b>593M7</b>
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**BOXES**

POLY CONDUIT ENTRY w/NPT	Angle	Size	Part #
	30°	1/2"	<b>513B3N05</b>
	30°	3/4"	<b>513B3N07</b>
	30°	1"	<b>513B3N10</b>

\* 13.5 in<sup>3</sup>


\* Interior volume with receptacle installed.

**POLY WALL BOX w/ANGLE**

	70°	<b>513C7000</b>
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\* 179.41 in<sup>3</sup>

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

	Ground Bar	<b>51AA089</b>
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\* Interior volume with receptacle installed.

**POLY ANGLE WITH METAL BOX w/NPT**

	70°	1/2"	<b>713C7N05</b>
	70°	3/4"	<b>713C7N07</b>
	70°	1"	<b>713C7N10</b>
	70°	1 1/4"	<b>713C7N12</b>
	70°	1 1/2"	<b>713C7N15</b>

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

\* Interior volume with receptacle installed.

**METAL BOX w/NPT**

	0°	1/2"	<b>7T1F0N05</b>
	0°	3/4"	<b>7T1F0N07</b>
	0°	1"	<b>7T1F0N10</b>
	0°	1 1/4"	<b>7T1F0N12</b>

**POLY ANGLE WITH METAL BOX w/NPT**

	30°	1/2"	<b>713C3N05</b>
	30°	3/4"	<b>713C3N07</b>
	30°	1"	<b>713C3N10</b>
	30°	1 1/4"	<b>713C3N12</b>


\* 29.6 in<sup>3</sup>

\* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

**MISCELLANEOUS ACCESSORIES**


**FINGER DRAWPLATES**

	<b>61-6A346</b>	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
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**PROTECTIVE INLET/PLUG CAP**

	<b>61-6A426</b>	For Inlets/Plugs Only.
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**PADLOCKABLE INLET/PLUG CAP**

	<b>61-6A826</b>	For Inlets/Plugs Only.
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**SPRING-LOADED PADLOCKABLE INLET/PLUG CAP**

	<b>61-6A226</b>	Metal – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
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**CORD GRIP with or w/o MESH**

	see pg 167
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**RECEPTACLE LOCKING PIN**

	<b>LP-843</b>	Requires Padlockable Pawl option (-843) on receptacle.
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# DSN150 Switch-Rated Plugs & Receptacles – 150 A

## UL/CSA Ratings

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

120V	1Ø	7.5 hp
240V	1Ø	20 hp
208V	3Ø	30 hp
240V	3Ø	30 hp
480V	3Ø	75 hp
600V	3Ø	75 hp
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with 225 A RK1 non-time delay Mersen fuses.  
10kA Close & Withstand  
Testing was performed with 400 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**  
Type 4X/IP69/IP69K\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 4 AWG Max 2/0 AWG  
Aux Contacts - Prewired w/14 AWG
- **Certifications**  
UL 2682, UL 1682, CSA 182.1

## Receptacle (female)

Easy Closing Mechanism

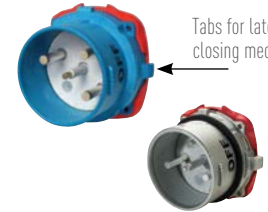


Poly casing opens to 180° while the metal casing opens only 90°.

**H** If you have an existing removable and/or permanently attached drawbar, contact customer service.

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

## Inlet (male)



Tabs for latching to closing mechanism

## North American UL/CSA Configurations

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
120V	1P+N+G	63-94165	69-94165	63-98165	69-98165
120 208V	3P+N+G	63-94167	69-94167	63-98167	69-98167
125V	1P+N+G	63-94075	69-94075	63-98075	69-98075
125 250V	2P+N+G	63-94076	69-94076	63-98076	69-98076
208V	2P+G	63-94162	69-94162	63-98162	69-98162
208V	3P+G	63-94163	69-94163	63-98163	69-98163
250V	2P+G	63-94072	69-94072	63-98072	69-98072
250V	3P+G	63-94073	69-94073	63-98073	69-98073
277V	1P+N+G	63-94045	69-94045	63-98045	69-98045
277 480V	3P+N+G	63-94047	69-94047	63-98047	69-98047
347 600V	3P+N+G	63-94147	69-94147	63-98147	69-98147
480V	2P+G	63-94042	69-94042	63-98042	69-98042
480V	3P+G	63-94043	69-94043	63-98043	69-98043
600V	2P+G	63-94142	69-94142	63-98142	69-98142
600V	3P+G	63-94143	69-94143	63-98143	69-98143

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 # - 262</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # - 262</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>
With 5 Auxiliary/Pilot Contacts	<b>Recept # - 975</b>	With 5 Auxiliary/Pilot Contacts	<b>Inlet # - 975</b>
With 6 Auxiliary/Pilot Contacts	<b>Recept # - 976</b>	With 6 Auxiliary/Pilot Contacts	<b>Inlet # - 976</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 # - NNF*</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>		
180° Opening Lid (metal only)	<b>Recept # - 180++</b>		
Closed Lid Configuration	<b>Recept # - NC</b>		
With Auxiliary Switch	<b>Recept # - 270+</b>		

**Notes:** \* Order inlet with P+N+G configuration and receptacle with P+G configuration.

**!** See pages 235-244 for detailed information on these options



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

**Order Example: 480V DSN150 + 2 auxiliary contacts**  
DSN150 Poly inlet 3P+G = 63-98043-262

# INSTALLATION ACCESSORIES – SIZE 5


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

**HANDLES**

HANDLE w/NPT	Part # Poly	Part # Metal
 3/4"	<b>515P0N07</b>	<b>595P0N07</b>
1"	<b>515P0N10</b>	<b>595P0N10</b>
1 1/4"	<b>515P0N12</b>	<b>595P0N12</b>
 1 1/2"	<b>515P0N15</b>	<b>595P0N15</b>
2"	<b>515P0N20</b>	<b>595P0N20</b>

For metal devices only


For available cord grips, see page 167.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	<b>715P0EP4</b>
	1.260 - 1.560"	<b>715P0FP1</b>
	1.520 - 1.860"	<b>715P0GP2</b>

METAL HANDLE w/CORD GRIP	Part #
	<b>795P0FS1</b>
	<b>795P0FS2*</b>
	<b>795P0FS3*</b>
	<b>795P0GS1</b>


For metal devices only


\*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT	Part #
 3/4"	<b>795P0N07</b>
1"	<b>795P0N10</b>
1 1/4"	<b>795P0N12</b>
1 1/2"	<b>795P0N15</b>
2"	<b>795P0N20</b>
2 1/2"	<b>795P0N25</b>

For metal devices only



For available cord grips, see page 167.


SANTOPRENE HANDLE	Part #
 .70 - 1.000"	<b>555P0D25</b>
.984 - 1.377"	<b>555P0D35</b>
IP66/IP67 1.378 - 1.771"	<b>555P0D45</b>


POLY HANDLE w/CLAMP & BUSHING	Part #
	<b>715P0S22</b>
	<b>715P0S25</b>
	<b>715P0S27</b>
	<b>715P0S29</b>

**ANGLES**


POLY ANGLE	Part #
 30°	<b>515M3</b>

METAL ANGLE	Part #
 0°	<b>595M0</b>
 30°	<b>595M3</b>

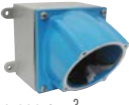
 Oversized 30°	<b>795M3</b>	Mounts on oversize box only. Order with 7T6F0N25XL box. See pg 52.
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 70°	<b>595M7</b>
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**BOXES**

POLY ANGLE WITH METAL BOX w/NPT	Part #
 30° 1 1/4"	<b>715C3N12</b>
30° 1 1/2"	<b>715C3N15</b>
30° 2"	<b>715C3N20</b>
* 108.7 in <sup>3</sup> 30° 2 1/2"	<b>715C3N25</b>

\* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT	Part #
 30° 1 1/4"	<b>795C3N12</b>
30° 1 1/2"	<b>795C3N15</b>
30° 2"	<b>795C3N20</b>
* 111.8 in <sup>3</sup> 30° 2 1/2"	<b>795C3N25</b>


\* Interior volume with receptacle installed.

METAL BOX w/NPT	Part #
 0° 1 1/4"	<b>7T5F0N12</b>
0° 1 1/2"	<b>7T5F0N15</b>
0° 2"	<b>7T5F0N20</b>
0° 2 1/2"	<b>7T5F0N25</b>

\* Interior volume with receptacle installed.


NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

**MISCELLANEOUS ACCESSORIES**

PROTECTIVE INLET/PLUG CAP	Part #	Description
	<b>31-9A426</b>	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.

PADLOCKABLE INLET/PLUG CAP	Part #	Description
	<b>DS9MC</b>	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with or w/o MESH	Part #
	see pg 167

EASY RETROFIT ADAPTER PLATES	Part #	Description
	see pg 164	Mount to existing boxes.

RECEPTACLE LOCKING PIN	Part #	Description
	<b>LP-843</b>	Requires Padlockable Pawl option (-843) on receptacle.