

# MELTRIC Corporation

## The best in industrial wiring devices



At MELTRIC Corporation, our only business is electrical plugs and receptacles. We are focused on providing our customers with the best overall value by offering the safest, highest quality and most reliable plugs and receptacles, and by backing them with outstanding service and support.

## DSN150 Switch-Rated Plugs & Receptacles – 150 A

### Dead Front Construction

Most MELTRIC products feature dead front construction, which greatly enhances safety by eliminating any unintended access to live parts. On most MELTRIC products, the dead front is accomplished with a safety shutter that can be opened only by an appropriate mating plug. The live receptacle contacts can only be accessed by the plug, after its insertion into the receptacle. The design of the product also ensures that the plug contacts are dead before the user can remove the plug from the receptacle.

By contrast, pin and sleeve and twist-type devices do not have a safety shutter. Access to live receptacle contacts is possible, and on some devices the plug contacts may be live and accessible when the plug is being removed.



### Lockout-Tagout Capability

Most MELTRIC plugs and receptacles facilitate compliance with OSHA lockout-tagout requirements. Only a lock or lockout hasp and tag are needed to ensure that the plug is properly locked out and tagged out. Additional mechanisms are not required because the lockout provision is integral to the device – it is always available when you need it. On most models the lockout provision is a simple 5/16" hole in the plug shroud that facilitates the insertion of a typical padlock or lockout hasp which prevents the plug from being inserted into a receptacle.

An optional provision for locking out MELTRIC receptacles is also available. In most cases this is accomplished via a specially machined hole in the receptacle casing which allows insertion of a padlock to secure the receptacle lid in a closed position. This same optional provision can be used to prevent removal of the plug if desired.

By comparison, in order to lockout most competitive pin and sleeve type plugs, an additional third-party 'lockout shield or 'plug cap' is required. These devices can be expensive and are often times lost, broken, or not available when you need them.



LOCKOUT HASP

### Enclosed Arc Chambers

The contacts on most MELTRIC products make and break within enclosed arc chambers. This ensures that the arcing which normally occurs during the making and breaking of the contacts is contained inside the device. This greatly enhances safety and avoids potential injury to users and/or harm to the outside environment.



### Push-Button Circuit Disconnection

To disconnect most MELTRIC products, the user simply needs to press the pawl. This causes the circuit to be disconnected and the plug to be ejected to its rest (off) position in the receptacle. If desired, the user can then remove the plug from the receptacle by rotating it slightly and then withdrawing it. This mode of operation ensures that it is only possible to remove the plug after its contacts have been deenergized.



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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°.

## Inlet (male)

Tabs for latching to closing mechanism



**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

## 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	Recept # - 262	With 2 Auxiliary/Pilot Contacts	Inlet # - 262
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
With 5 Auxiliary/Pilot Contacts	Recept # - 975	With 5 Auxiliary/Pilot Contacts	Inlet # - 975
With 6 Auxiliary/Pilot Contacts	Recept # - 976	With 6 Auxiliary/Pilot Contacts	Inlet # - 976
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 # - NNF*
Padlock Pawl	Recept # - 843		
Padlockable Mushroom Pawl	Recept # - 375-843		
Screw-Type Locking Pawl	Recept # - 845		
Metal Pawl (on Poly Receptacle)	Recept # - 824		
180° Opening Lid (metal only)	Recept # - 180++		
Closed Lid Configuration	Recept # - NC		
With Auxiliary Switch	Recept # - 270+		

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



**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
 Poly 3/4"	515P0N07	595P0N07
1"	515P0N10	595P0N10
1 1/4"	515P0N12	595P0N12
 Metal 1 1/2"	515P0N15	595P0N15
For metal devices only 2"	515P0N20	595P0N20

For available cord grips, see page 167.

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


METAL HANDLE w/CORD GRIP	Cable Range	Part #
	1.250 - 1.375"	795P0FS1
	1.438 - 1.562"	795P0FS2*
	1.562 - 1.688"	795P0FS3*
For metal devices only 1.688 - 1.812"	795P0GS1	

\*May require stripping of cable jacket.






METAL OVERSIZED HANDLE w/NPT	Part #
 3/4"	795P0N07
1"	795P0N10
1 1/4"	795P0N12
1 1/2"	795P0N15
For metal devices only 2"	795P0N20
2 1/2"	795P0N25

For available cord grips, see page 167.

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


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29

## ANGLES


POLY ANGLE	Angle	Part #
 30°	30°	515M3
METAL ANGLE		
 0°	0°	595M0
 30°	30°	595M3
 Oversized 30°	Oversized 30°	795M3
 70°	70°	595M7

Mounts on oversize box only. Order with 7T6F0N25XL box. See pg 52.


## BOXES

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

\* Interior volume with receptacle installed.

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


\* Interior volume with receptacle installed.

METAL BOX w/NPT	Angle	Box Size	Part #
 0°	0°	1 1/4"	7T5F0N12
	0°	1 1/2"	7T5F0N15
	0°	2"	7T5F0N20
	0°	2 1/2"	7T5F0N25

\* 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
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.

PADLOCKABLE INLET/PLUG CAP	Part #	Description
	DS9MC	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
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.