

MELTRIC Corporation

The best in industrial wiring devices

100 hp



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.

DS200 Switch-Rated Plugs & Receptacles – 200 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.



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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DS200 Switch-Rated Plugs & Receptacles – 200 A

UL/CSA Ratings

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

208V	3Ø	40 hp
240V	3Ø	40 hp
480V	3Ø	100 hp
600V	3Ø	100 hp
- Short Circuit Rating**
65kA Close & Withstand
Testing was performed with RK5 time delay fuses sized at 100% of the devices rated ampacity.
10kA Close & Withstand
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 3R (Standard)
Type 4X (Optional)
- Temperature Range**
Min -40°F/Max 140°F
See pg 258 for temps below -15°F.
- Wiring Capacity**
Min 4 AWG Max 4/0 AWG
Aux Contacts - Max 14 AWG
Based on THHN wire sizes
- Certifications**
UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)



North American UL/CSA Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120V	1P+N+G	37-24165	37-28165
120 208V	3P+N+G	37-24167	37-28167
125V	1P+N+G	37-24075	37-28075
125 250V	2P+N+G	37-24076	37-28076
208V	2P+G	37-24162	37-28162
208V	3P+G	37-24163	37-28163
250V	2P+G	37-24072	37-28072
250V	3P+G	37-24073	37-28073
277V	1P+N+G	37-24045	37-28045
277 480V	3P+N+G	37-24047	37-28047
347 600V	3P+N+G	37-24147	37-28147
480V	2P+G	37-24042	37-28042
480V	3P+G	37-24043	37-28043
600V	2P+G	37-24142	37-28142
600V	3P+G	37-24143	37-28143

Main Options



Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # - 972*	With 2 Auxiliary/Pilot Contacts	Inlet # - 972*
With 4 Auxiliary/Pilot Contacts	Recept # - 174+	With 4 Auxiliary/Pilot Contacts	Inlet # - 174+
With 6 Auxiliary/Pilot Contacts	Recept # - 976+	With 6 Auxiliary/Pilot Contacts	Inlet # - 976+
Type 4X & Closed Lid Configuration	Recept # - 4X	Type 4X Watertightness	Inlet # - 4X
Straight Insertion	Recept # - A188++	Self-Ejecting Plug Release	Inlet # - 338-A188++
Mushroom Pawl	Recept # - 375	For Auxiliary Switch	Inlet # - NNF**
Padlock Pawl	Recept # - 843	With No Lockout Hole	Inlet # - A155
Padlockable Mushroom Pawl	Recept # - 375-843		
Screw-Type Locking Pawl	Recept # - 845		
180° Opening Lid	Recept # - 180+++		
Closed Lid Configuration	Recept # - NC		
With Auxiliary Switch	Recept # - 270++		

- Notes:**
- * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.
 - + This option not available with N contact.
 - ** Not UL/CSA listed.
 - +++ Required when mating to rigid mounted male inlet.


- Notes:**
- * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.
 - ** Order inlet with P+N+G configuration and receptacle with P+G configuration.
 - + This option not available with N contact.
 - ++ Not UL/CSA listed.

Order Example: 480V DS200 + 2 auxiliary contacts
DS200 Metal inlet 3P+G = 37-28043-972


INSTALLATION ACCESSORIES – SIZE 6

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


HANDLES

HANDLE w/NPT	Part # Poly	Part # Metal
 1"	516P0N10	596P0N10
1 1/4"	516P0N12	596P0N12
1 1/2"	516P0N15	596P0N15
2"	516P0N20	596P0N20
2 1/2"	516P0N25	596P0N25
3" <small>For metal devices only</small>	-	596P0N30

For available cord grips, see page 167.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	1.520 - 1.860"	716P0GP2
	1.850 - 2.190"	716P0GP3*


*May require stripping of cable jacket.

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	1.688 - 1.812"	796P0GS1
	1.812 - 1.938"	796P0GS2*
	1.938 - 2.062"	796P0JS1
	2.062 - 2.188"	796P0JS2
	2.188 - 2.312"	796P0JS3
	2.312 - 2.438"	796P0JS4*
	2.437 - 2.625"	796P0KS1
	2.625 - 2.812"	796P0KS2

*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT	Part #
1 1/4"	796P0N12
1 1/2"	796P0N15
2"	796P0N20
2 1/2"	796P0N25
3"	796P0N30

For available cord grips, see page 167.


SANTOPRENE HANDLE	Cable Range	Part #
	.984 - 1.378"	556P0D35
	1.378 - 1.772"	556P0D45
	1.772 - 1.929"	556P0D49


IP66/IP67

ANGLES

METAL ANGLE	Part #	Notes
 0°	596M0	
 Oversized 45°	796M4	Mounts on oversize metal box only..
 60°	596M6	
 Extended 60°	597M6	

BOXES

METAL ANGLE WITH METAL BOX w/NPT	Part #	Notes
 60° 1 1/2"	796C6N15	* Interior volume with receptacle installed.
60° 2"	796C6N20	
* 248.4 in ³ 60° 2 1/2"	796C6N25	

METAL BOX w/NPT	Part #	Notes
 0° 1 1/2"	7T6F0N15	* Interior volume with receptacle installed.
0° 2"	7T6F0N20	
0° 2 1/2"	7T6F0N25	

METAL OVERSIZED BOX w/NPT	Part #
 0° 2"	7T6F0N20XL
0° 2 1/2"	7T6F0N25XL
0° 3"	7T6F0N30XL

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

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP	Part #	Description
	39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	Part #	Description
	DS2MC	Aluminum - For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with 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.