

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.

DS100C Switch-Rated Plugs & Receptacles – 100 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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DS100C Switch-Rated Plugs & Receptacles – 100 A

UL/CSA Ratings

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

120V	10	5 hp
240V	10	10 hp
208V	30	20 hp
240V	30	20 hp
480V	30	50 hp
600V	30	50 hp
- Short Circuit Rating**
100kA Close & Withstand
Tested 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 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
Based on THHN wire sizes
- 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
120V	1P+N+G	33-64235-C-K16	37-64235-C-K16	33-68235-C-K16	37-68235-C-K16
120 208V	3P+N+G	33-64237-C-K16	37-64237-C-K16	33-68237-C-K16	37-68237-C-K16
125V	1P+N+G	33-64175-C-K07	37-64175-C-K07	33-68175-C-K07	37-68175-C-K07
125 250V	2P+N+G	33-64176-C-K07	37-64176-C-K07	33-68176-C-K07	37-68176-C-K07
208V	2P+G	33-64232-C-K16	37-64232-C-K16	33-68232-C-K16	37-68232-C-K16
208V	3P+G	33-64233-C-K16	37-64233-C-K16	33-68233-C-K16	37-68233-C-K16
250V	2P+G	33-64172-C-K07	37-64172-C-K07	33-68172-C-K07	37-68172-C-K07
250V	3P+G	33-64173-C-K07	37-64173-C-K07	33-68173-C-K07	37-68173-C-K07
277V	1P+N+G	33-64245-C-K04	37-64245-C-K04	33-68245-C-K04	37-68245-C-K04
277 480V	3P+N+G	33-64247-C-K04	37-64247-C-K04	33-68247-C-K04	37-68247-C-K04
347 600V	3P+N+G	33-64187-C-K14	37-64187-C-K14	33-68187-C-K14	37-68187-C-K14
480V	2P+G	33-64242-C-K04	37-64242-C-K04	33-68242-C-K04	37-68242-C-K04
480V	3P+G	33-64243-C-K04	37-64243-C-K04	33-68243-C-K04	37-68243-C-K04
600V	2P+G	33-64182-C-K14	37-64182-C-K14	33-68182-C-K14	37-68182-C-K14
600V	3P+G	33-64183-C-K14	37-64183-C-K14	33-68183-C-K14	37-68183-C-K14

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

Type 4X & Closed Lid Configuration

Recept # - 4X

Type 4X Watertightness

Inlet # - 4X

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

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

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+

180° Opening Lid (metal only)

Recept # - 180++

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





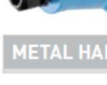
Order Example: 480V DS100C + 2 auxiliary contacts

DS100C Poly inlet 3P+G = 33-68243-C-K04-972

INSTALLATION ACCESSORIES – SIZE 4




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


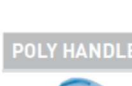



HANDLES

HANDLE w/NPT	Part # Poly	Part # Metal
 Poly 1/2"	514P0N05	594P0N05
 Poly 3/4"	514P0N07	594P0N07
 Poly 1"	514P0N10	594P0N10
 Metal 1 1/4"	514P0N12	594P0N12
 Metal 1 1/2"	514P0N15	594P0N15

For metal devices only


For available cord grips, see page 167.

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*





For metal devices only

*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	Angle	Part #	Notes
	30°	514M3	
	70°	514M7	Panel mounting only.

METAL ANGLE	Angle	Part #
	0°	594M0
	30°	594M3
	30°	794M3L

METAL ANGLE	Angle	Part #	Notes
	Oversized 30°	794M3	Mounts on oversize box only. Order with 715F0Nxx. See pg 50.

METAL ANGLE	Angle	Part #
	70°	594M7

BOXES

POLY CONDUIT ENTRY w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	514B3N05	For poly devices only
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	


* 27.7 in³





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

* 181.24 in³

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	70°	1/2"	714C7N05	
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	* Interior volume with receptacle installed.
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	

* 177.7 in³


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

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	

* 61.0 in³ Poly Angle

* 59.4 in³ Metal Angle



MISCELLANEOUS ACCESSORIES

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


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

PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	DS6PC	Poly – For Inlets/Plugs Only.

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

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal Inlets/Plugs Only.

-A155 suffix required to maintain water ingress protection.

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