

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	1Ø	5 hp
240V	1Ø	10 hp
208V	3Ø	20 hp
240V	3Ø	20 hp
480V	3Ø	50 hp
600V	3Ø	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

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


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
	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15


For metal devices only

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*

*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		Part #	Angle	Part #
	30°	514M3	70°	514M7

METAL ANGLE		Part #
	0°	594M0
	30°	594M3
	30°	794M3L
	Oversized 30°	794M3
	70°	594M7

Mounts on oversize box only. Order with 715F0Nxx. See pg 50.

BOXES

POLY CONDUIT ENTRY w/NPT		Part #		
	30°	1/2"	514B3N05	
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	
	* 27.7 in ³	30°	1 1/4"	514B3N12


For poly devices only

* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE		Part #
	70°	514C7000
* 181.24 in ³		
	Ground Bar	51AA089


70° poly boxes are not drilled. Contact customer service if factory drilling is required.

* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT		Part #		
	70°	1/2"	714C7N05	
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	* 177.7 in ³	70°	1 1/4"	714C7N12
		70°	1 1/2"	714C7N15

* Interior volume with receptacle installed.


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

POLY ANGLE WITH METAL BOX w/NPT		Part #		
	30°	1"	714C3N10	
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	
	* 61.0 in ³ Poly Angle	30°	2"	714C3N20
	* 59.4 in ³ Metal Angle			

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

* Interior volume with receptacle installed.



MISCELLANEOUS ACCESSORIES


FINGER DRAWPLATES		Part #
		31-6A346

Set of Two (2)
Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		Part #
		31-6A426

For Intets/Plugs Only.

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

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		Part #
		31-6A226
		39-6A226

For Poly Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
For Metal Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		Part #
		LP-843

Requires Padlockable Pawl option (-843) on receptacle.