

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**

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 hp
- Short Circuit Rating**
100 kA Close & Withstand
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 4X/IP69/IP69K
- Temperature Range**
Min -40°F/Max 140°F
See pg 266 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
120 V	1P+N+G	33-64235-C-K16	37-64235-C-K16	33-68235-C-K16	37-68235-C-K16
120 208 V	3P+N+G	33-64237-C-K16	37-64237-C-K16	33-68237-C-K16	37-68237-C-K16
125 V	1P+N+G	33-64175-C-K07	37-64175-C-K07	33-68175-C-K07	37-68175-C-K07
125 250 V	2P+N+G	33-64176-C-K07	37-64176-C-K07	33-68176-C-K07	37-68176-C-K07
208 V	2P+G	33-64232-C-K16	37-64232-C-K16	33-68232-C-K16	37-68232-C-K16
208 V	3P+G	33-64233-C-K16	37-64233-C-K16	33-68233-C-K16	37-68233-C-K16
250 V	2P+G	33-64172-C-K07	37-64172-C-K07	33-68172-C-K07	37-68172-C-K07
250 V	3P+G	33-64173-C-K07	37-64173-C-K07	33-68173-C-K07	37-68173-C-K07
277 V	1P+N+G	33-64245-C-K04	37-64245-C-K04	33-68245-C-K04	37-68245-C-K04
277 480 V	3P+N+G	33-64247-C-K04	37-64247-C-K04	33-68247-C-K04	37-68247-C-K04
347 600 V	3P+N+G	33-64187-C-K14	37-64187-C-K14	33-68187-C-K14	37-68187-C-K14
480 V	2P+G	33-64242-C-K04	37-64242-C-K04	33-68242-C-K04	37-68242-C-K04
480 V	3P+G	33-64243-C-K04	37-64243-C-K04	33-68243-C-K04	37-68243-C-K04
600 V	2P+G	33-64182-C-K14	37-64182-C-K14	33-68182-C-K14	37-68182-C-K14
600 V	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
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 # -270+
Padlock Pawl	Recept # -843		
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+		

Notes: + Not UL/CSA listed.

** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.

~ Standard closed lid configuration



! See pages 243-252 for detailed information on these options

Order Example: 480 V DS100C + 2 auxiliary contacts
DS100C Poly inlet 3P+G = 33-68243-C-K04-972


INSTALLATION ACCESSORIES – SIZE 4


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 available cord grips, see page 169. Add -443 suffix for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680-.980 in	714P0DP4
	.980-1.260 in	714P0EP4
	1.260-1.560 in	714P0FP1


METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.770-.850 in	794P0DS1
	.875-1.000 in	794P0DS3
	1.000-1.125 in	794P0ES2
	1.250-1.375 in	794P0FS1
	1.438-1.562 in	794P0FS2*
	1.562-1.688 in	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE	Cable Range	Part #
	.511-1.377 in	514P0D35


POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.511-1.377 in	514P0D35473

Makes connector closures easier.


SANTOPRENE HANDLE	Cable Range	Part #
	.708-.984 in	554P0D25L
	.984-1.377 in	554P0D35L
	1.377-1.771 in	554P0D45L
	1.771-1.929 in	554P0D49L

ANGLES

POLY ANGLE		Part #	Notes
	30°	514M3	
	70°	514M7	Panel mounting only.

METAL ANGLE		Part #	Notes
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 715F0Nxx. See pg 52.
	70°	594M7	


BOXES

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


* 27.7 in³

For poly devices only

* Interior volume with receptacle installed.


POLY WALL BOX w/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		Part #	Notes
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

* 177.7 in³

* 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 #	Notes
	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20


* 61.0 in³ Poly Angle

* 59.4 in³ Metal Angle


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


* Interior volume with receptacle installed.


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.	
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.	

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		Part #	Notes
	31-6A226	For Poly Inlets/Plugs Only.	Inlets equipped with spring loaded caps require -A155 suffix to achieve max water ingress protection of TYPE 3R/IP55.
	39-6A226	For Metal Inlets/Plugs Only.	

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