

# 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](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	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
With 3 Auxiliary/Pilot Contacts	<b>Recept # -263</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # -263</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # -264</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # -264</b>
Straight Insertion	<b>Recept # -352~</b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354~</b>	With No Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Auxiliary Switch	<b>Inlet # -270+</b>
Padlock Pawl	<b>Recept # -843</b>		
Padlockable Mushroom Pawl	<b>Recept # -375-843</b>		
Screw-Type Locking Pawl	<b>Recept # -845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # -824</b>		
Closed Lid Configuration	<b>Recept # -NC</b>		
With Auxiliary Switch	<b>Recept # -270+</b>		

**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"	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 #	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 in<sup>3</sup>

For poly devices only


\* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE		Part #	Notes
	70°		514C7000

\* 181.24 in<sup>3</sup>

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 #	Notes
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

\* 177.7 in<sup>3</sup>

\* 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 in<sup>3</sup> Poly Angle

\* 59.4 in<sup>3</sup> 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 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.