

# DS100C Hazardous Location Plugs & Receptacles – 100 A

Devices rated for hazardous locations are not returnable.

## SP Ratings

- Voltage**  
600 VAC
- Current Interruption Capability**  
Not for current interrupting
- 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 Withstand  
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- Environmental Ratings**  
Type 4X
- Temperature Range**  
Min -40°F/Max 104°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.
- Applicable Standards**  
CSA C22.2 No. 182.1-07  
C22.2 No. 213-M1987
- Hazardous Ratings**  
Class I, Division 2, Groups ABCD, T6  
Class I, Zone 2, IIC

## Receptacle (female)



## Inlet (male)



Don't forget to add installation accessories to your order

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
120 V	1P+N+G	35-64235-C-K16-xxx-HAZ	36-64235-C-K16-xxx-HAZ	35-68235-C-K16-xxx-HAZ	36-68235-C-K16-xxx-HAZ
120 208 V	3P+N+G	35-64237-C-K16-xxx-HAZ	36-64237-C-K16-xxx-HAZ	35-68237-C-K16-xxx-HAZ	36-68237-C-K16-xxx-HAZ
125 V	1P+N+G	35-64175-C-K07-xxx-HAZ	36-64175-C-K07-xxx-HAZ	35-68175-C-K07-xxx-HAZ	36-68175-C-K07-xxx-HAZ
125 250 V	2P+N+G	35-64176-C-K07-xxx-HAZ	36-64176-C-K07-xxx-HAZ	35-68176-C-K07-xxx-HAZ	36-68176-C-K07-xxx-HAZ
208 V	2P+G	35-64232-C-K16-xxx-HAZ	36-64232-C-K16-xxx-HAZ	35-68232-C-K16-xxx-HAZ	36-68232-C-K16-xxx-HAZ
208 V	3P+G	35-64233-C-K16-xxx-HAZ	36-64233-C-K16-xxx-HAZ	35-68233-C-K16-xxx-HAZ	36-68233-C-K16-xxx-HAZ
250 V	2P+G	35-64172-C-K07-xxx-HAZ	36-64172-C-K07-xxx-HAZ	35-68172-C-K07-xxx-HAZ	36-68172-C-K07-xxx-HAZ
250 V	3P+G	35-64173-C-K07-xxx-HAZ	36-64173-C-K07-xxx-HAZ	35-68173-C-K07-xxx-HAZ	36-68173-C-K07-xxx-HAZ
277 V	1P+N+G	35-64245-C-K04-xxx-HAZ	36-64245-C-K04-xxx-HAZ	35-68245-C-K04-xxx-HAZ	36-68245-C-K04-xxx-HAZ
277 480 V	3P+N+G	35-64247-C-K04-xxx-HAZ	36-64247-C-K04-xxx-HAZ	35-68247-C-K04-xxx-HAZ	36-68247-C-K04-xxx-HAZ
347 600 V	3P+N+G	35-64187-C-K14-xxx-HAZ	36-64187-C-K14-xxx-HAZ	35-68187-C-K14-xxx-HAZ	36-68187-C-K14-xxx-HAZ
480 V	2P+G	35-64242-C-K04-xxx-HAZ	36-64242-C-K04-xxx-HAZ	35-68242-C-K04-xxx-HAZ	36-68242-C-K04-xxx-HAZ
480 V	3P+G	35-64243-C-K04-xxx-HAZ	36-64243-C-K04-xxx-HAZ	35-68243-C-K04-xxx-HAZ	36-68243-C-K04-xxx-HAZ
600 V	2P+G	35-64182-C-K14-xxx-HAZ	36-64182-C-K14-xxx-HAZ	35-68182-C-K14-xxx-HAZ	36-68182-C-K14-xxx-HAZ
600 V	3P+G	35-64183-C-K14-xxx-HAZ	36-64183-C-K14-xxx-HAZ	35-68183-C-K14-xxx-HAZ	36-68183-C-K14-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

## Part Number Example

### 480 V DS100C + 2 aux contacts

DS100C Poly recept 3P+G = 35-64243-C-K04-972-HAZ

### 480 V DS100C with no options

DS100C Poly recept 3P+G = 35-64243-C-K04-HAZ

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
Normally Open Lid Configuration	Recept # -NO	With No Lockout Hole	Inlet # -A155

## Feature Spotlight – Screw-Type Locking Pawl

- Listing Requirement**  
Users must tighten screw to lock the plug in the mated position



Zone 2/Division 2 DS100C receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug in the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.



5/16" hole for added security

See pages 243-252 for detailed information on these options


# INSTALLATION ACCESSORIES – SIZE 4

Accessories rated for hazardous locations are not returnable.

**HANDLES**

HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	554P0N05	5K4P0N05
	3/4"	554P0N07	5K4P0N07
	1"	554P0N10	5K4P0N10
	1 1/4"	554P0N12	5K4P0N12
	1 1/2"	554P0N15	5K4P0N15

For available cord grips, see pg 169.


POLY HANDLE w/Cable Range		
	.51 - 1.38"	554P0D35

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Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.875 - 1.375"	1 1/4"
.438 - .812"	3/4"	.890 - 1.812"	1 1/2"
.660 - 1.000"	1"		

NPT sizes are determined by the cable diameter and third-party cord grip.


**BOXES**

POLY ANGLE WITH METAL BOX w/NPT			
	30°	1"	754C3N10
	30°	1 1/4"	754C3N12
	30°	1 1/2"	754C3N15
	30°	2"	754C3N20

\* 61.0 in<sup>3</sup> \* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
	30°	1"	7K4C3N10
	30°	1 1/4"	7K4C3N12
	30°	1 1/2"	7K4C3N15
	30°	2"	7K4C3N20


\* 59.4 in<sup>3</sup> \* Interior volume with receptacle installed.




METAL ANGLE WITH METAL BOX w/NPT			
	70°	1"	7K4C7N10
	70°	1 1/4"	7K4C7N12
	70°	1 1/2"	7K4C7N15
	70°	2"	7K4C7N20

\* 170.0 in<sup>3</sup> \* Interior volume with receptacle installed.





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

**ANGLES**

POLY ANGLE		
	30°	554M3

METAL ANGLE		
	0°	5K4M0
	30°	5K4M3
	70°	5K4M7

**MISCELLANEOUS ACCESSORIES**

<b>FINGER DRAWPLATES</b>		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
<b>PROTECTIVE INLET/PLUG CAP</b>		
	31-6A426	For Inlets/Plugs Only.
<b>PADLOCKABLE INLET/PLUG CAP</b>		
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
<b>RECEPTACLE LOCKING PIN</b>		
	LP-843	

**Notes:** For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.