

# DR50 Hazardous Location Plugs & Receptacles – 50 A

Devices rated for hazardous locations are not returnable.

## SP US Ratings

- Voltage**  
600 VAC
- Current Interruption Capability**  
Not for current interrupting
- Short Circuit Rating**  
100 kA Withstand  
Testing was performed with RK1 current limiting fuses sized at 100% of the device's ampacity rating.
- Environmental Ratings**  
Type 4X
- Temperature Range**  
Min -40°F/Max 104°F  
See pg 266 for temps below -15°F.
- Wiring Capacity**  
Min 14 AWG Max 4 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)



Hazardous Location DR50 lid is normally closed

**!** Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	35-34235-K16-xxx-HAZ	35-38235-K16-xxx-HAZ
120 208 V	3P+N+G	35-34237-K16-xxx-HAZ	35-38237-K16-xxx-HAZ
125 V	1P+N+G	35-34175-K07-xxx-HAZ	35-38175-K07-xxx-HAZ
125 250 V	2P+N+G	35-34176-K07-xxx-HAZ	35-38176-K07-xxx-HAZ
208 V	2P+G	35-34232-K16-xxx-HAZ	35-38232-K16-xxx-HAZ
208 V	3P+G	35-34233-K16-xxx-HAZ	35-38233-K16-xxx-HAZ
250 V	2P+G	35-34172-K07-xxx-HAZ	35-38172-K07-xxx-HAZ
250 V	3P+G	35-34173-K07-xxx-HAZ	35-38173-K07-xxx-HAZ
277 V	1P+N+G	35-34245-K04-xxx-HAZ	35-38245-K04-xxx-HAZ
277 480 V	3P+N+G	35-34247-K04-xxx-HAZ	35-38247-K04-xxx-HAZ
347 600 V	3P+N+G	35-34187-K14-xxx-HAZ	35-38187-K14-xxx-HAZ
480 V	2P+G	35-34242-K04-xxx-HAZ	35-38242-K04-xxx-HAZ
480 V	3P+G	35-34243-K04-xxx-HAZ	35-38243-K04-xxx-HAZ
600 V	2P+G	35-34182-K14-xxx-HAZ	35-38182-K14-xxx-HAZ
600 V	3P+G	35-34183-K14-xxx-HAZ	35-38183-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 DR50 + 2 aux contacts

DR50 recept 3P+G = 35-34243-K04-972-HAZ

### 480 V DR50 with no options

DR50 recept 3P+G = 35-34243-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 # -973	With 3 Auxiliary/Pilot Contacts	Inlet # -973
With 4 Auxiliary/Pilot Contacts	Recept # -974	With 4 Auxiliary/Pilot Contacts	Inlet # -974
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 DR50 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to 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 3

Accessories rated for hazardous locations are not returnable.

**HANDLES**

HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	553P0N05	5K3P0N05
	3/4"	553P0N07	5K3P0N07
	1"	553P0N10	5K3P0N10
	1 1/4"	553P0N12	5K3P0N12

For available cord grips, see pg 169.


POLY HANDLE w/Cable Range		
	.39 - 1.18"	553P0D30

**i**

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


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

**BOXES**

POLY ANGLE WITH METAL BOX w/NPT			
	30°	1/2"	753C3N05
	30°	3/4"	753C3N07
	30°	1"	753C3N10
	30°	1 1/4"	753C3N12


\* 29.6 in<sup>3</sup>

\* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
	30°	1/2"	7K3C3N05
	30°	3/4"	7K3C3N07
	30°	1"	7K3C3N10
	30°	1 1/4"	7K3C3N12


\* 29.6 in<sup>3</sup>

\* Interior volume with receptacle installed.

POLY ANGLE WITH LARGER METAL BOX w/NPT			
	70°	1/2"	753C7N05
	70°	3/4"	753C7N07
	70°	1"	753C7N10
	70°	1 1/4"	753C7N12
	70°	1 1/2"	753C7N15

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

\* Interior volume with receptacle installed.


METAL ANGLE WITH METAL BOX w/NPT			
	70°	1/2"	7K3C7N05
	70°	3/4"	7K3C7N07
	70°	1"	7K3C7N10
	70°	1 1/4"	7K3C7N12

\* 27.7 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°	553M3

METAL ANGLE		
	0°	5K3M0
	30°	5K3M3
	70°	5K3M7

**MISCELLANEOUS ACCESSORIES**

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Intets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	

**Notes:** For Zone 2 DR dimensions refer to DR dimensions on pgs 103-104