

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**
100kA Withstand
Testing was performed with RK1 current limiting fuses sized at 100% of the devices ampacity rating.
- Environmental Ratings**
Type 4X
- Temperature Range**
Min -40°F/Max 104°F
See pg 258 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)



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

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

480V DR50 + 2 aux contacts

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

480V 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



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.

! See pages 235-244 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 168.


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

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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
* 29.6 in ³	30°	1 1/4"	753C3N12


* Interior volume with receptacle installed.

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

* 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
* 170.0 in ³	70°	1 1/2"	753C7N15


* Interior volume with receptacle installed.




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

* 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 101-102.