

DR50 Hazardous Location - 50 A

US Ratings

- **Max Amperage & Voltage**
50 A, 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 254 for temperatures outside this range.
- **Wiring Capacity**
Based on THHN wire sizes.
Min 14 AWG Max 4 AWG
Aux Contacts - Max 14 AWG
- **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

⚠ Devices rated for hazardous locations are not returnable.

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

Receptacle (female)



Inlet (male)



Hazardous Location DR50 lid is normally closed

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

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
Normally Open Lid Configuration	Recept # -NO	Without 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 231-240 for detailed information on these options





INSTALLATION ACCESSORIES – SIZE 3


When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.


HANDLES	HANDLE WITH 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 160

POLY HANDLE WITH CABLE RANGE		
	.390-1.180"	553P0D30

BOXES	POLY ANGLE WITH METAL BOX WITH NPT			PART #	* Interior volume with receptacle installed.
		30°	1/2"	753C3N05	
	30°	3/4"	753C3N07		
	30°	1"	753C3N10		
	30°	1 1/4"	753C3N12		

METAL ANGLE WITH METAL BOX WITH NPT			* Interior volume with receptacle installed.
	30°	1/2"	
	30°	3/4"	7K3C3N07
	30°	1"	7K3C3N10
	30°	1 1/4"	7K3C3N12


POLY ANGLE WITH LARGER METAL BOX WITH NPT			* Interior volume with receptacle installed.
	70°	1/2"	
	70°	3/4"	753C7N07
	70°	1"	753C7N10
	70°	1 1/4"	753C7N12
	70°	1 1/2"	753C7N15


METAL ANGLE WITH METAL BOX WITH NPT			* Interior volume with receptacle installed.
	70°	1/2"	
	70°	3/4"	7K3C7N07
	70°	1"	7K3C7N10
	70°	1 1/4"	7K3C7N12


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

ANGLES	POLY ANGLE	
		30°

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

MISCELLANEOUS ACCESSORIES	FINGER DRAWPLATES	
		61-6A346

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

RECEPTACLE LOCKING PIN	
	LP-843

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

! Accessories rated for hazardous locations are not returnable.

