

# 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 252 for temperatures outside this range.
- **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

⚠ 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

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 231-238 for detailed information on these options


# INSTALLATION ACCESSORIES – SIZE 3


**!** Accessories rated for hazardous locations are not returnable.


HANDLES	HANDLE WITH NPT		PART # POLY	PART # METAL
		1/2"	<b>553P0N05</b>	<b>5K3P0N05</b>
	3/4"	<b>553P0N07</b>	<b>5K3P0N07</b>	
	1"	<b>553P0N10</b>	<b>5K3P0N10</b>	
	1 1/4"	<b>553P0N12</b>	<b>5K3P0N12</b>	


For available cord grips, see pg 160

POLY HANDLE WITH CABLE RANGE		
	.390-1.180"	<b>553P0D30</b>

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

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

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


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

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


ANGLES	POLY ANGLE	
		30°


METAL ANGLE		
	0°	<b>5K3M0</b>
	30°	<b>5K3M3</b>
	70°	<b>5K3M7</b>

MISCELLANEOUS ACCESSORIES	FINGER DRAWPLATES	
		<b>61-6A346</b>

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

RECEPTACLE LOCKING PIN	
	<b>LP-843</b>

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

