

DR50 Hazardous Location - 50 A

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



Handle Option Guide
pgs 237-238

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
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BOXES

POLY ANGLE WITH METAL BOX WITH NPT	PART #
30°	1/2"
30°	3/4"
30°	1"
30°	1 1/4"

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX WITH NPT

	30°	1/2"	7K3C3N05
	30°	3/4"	7K3C3N07
	30°	1"	7K3C3N10
	30°	1 1/4"	7K3C3N12

* Interior volume with receptacle installed.

POLY ANGLE WITH LARGER METAL BOX WITH NPT

	70°	1/2"	753C7N05
	70°	3/4"	753C7N07
	70°	1"	753C7N10
	70°	1 1/4"	753C7N12
	70°	1 1/2"	753C7N15

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX WITH NPT

	70°	1/2"	7K3C7N05
	70°	3/4"	7K3C7N07
	70°	1"	7K3C7N10
	70°	1 1/4"	7K3C7N12
	70°	1 1/2"	7K3C7N15

* Interior volume with receptacle installed.

FINGER DRAWPLATES

	61-6A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure..
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PROTECTIVE INLET/PLUG CAP

	31-3A426	For Inlets/Plugs Only.
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RECEPTACLE LOCKING PIN

	LP-843	
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Notes: For Zone 2 DR dimensions refer to DR dimensions on pg 103-104.

! Accessories rated for hazardous locations are not returnable.