


# DR50 Standard Duty - 50 A

## UL/CSA Ratings

- **Max Amperage & Voltage**  
50 A, 600 VAC
- **Current Interruption Capability**  
For current interrupting up to 250 VAC  
 For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**  
100 kA  
Testing was performed with RK1 current limiting fuses sized at least 100% of the device's ampacity rating.
- **Environmental Ratings**  
Type 3R (Standard)  
Type 4X (Optional)
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**  
Based on THHN wire sizes.  
Min 14 AWG Max 4 AWG  
Aux Contacts - Max 14 AWG
- **Certifications**  
UL 1682, CSA C22.2 NO. 182.1, NOM

## Receptacle (female)



## Inlet (male)



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

## North American UL/CSA Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	31-34235-K16	31-38235-K16
120 208 V	3P+N+G	31-34237-K16	31-38237-K16
125 V	1P+N+G	31-34175-K07	31-38175-K07
125 250 V	2P+N+G	31-34176-K07	31-38176-K07
208 V	2P+G	31-34232-K16	31-38232-K16
208 V	3P+G	31-34233-K16	31-38233-K16
250 V	2P+G	31-34172-K07	31-38172-K07
250 V	3P+G	31-34173-K07	31-38173-K07
277 V	1P+N+G	31-34245-K04	31-38245-K04
277 480 V	3P+N+G	31-34247-K04	31-38247-K04
347 600 V	3P+N+G	31-34187-K14	31-38187-K14
480 V	2P+G	31-34242-K04	31-38242-K04
480 V	3P+G	31-34243-K04	31-38243-K04
600 V	2P+G	31-34182-K14	31-38182-K14
600 V	3P+G	31-34183-K14	31-38183-K14

For international configurations and ratings (IEC, CE) visit [meltric.com/international-catalog](http://meltric.com/international-catalog) or contact Customer Service at 800-433-7642.

## Main Options



**Auxiliary/Pilot Contacts**



**Mushroom Pawl**



**Padlock Pawl**



**Self-Returning Lid**

Recommended for cord applications to keep lid tucked in to avoid damage.

## 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**

Type 4X & Self-Returning Lid

**Recept # -4X**

Type 4X Watertightness

**Inlet # -4X**

Mushroom Pawl

**Recept # -375**

Without Lockout Hole

**Inlet # -A155**

Padlock Pawl

**Recept # -843**

For Microswitch

**Inlet # -270<sup>3,4</sup>**

Screw-Type Locking Pawl

**Recept # -845**

**Notes:**

Metal Pawl (on poly receptacle)

**Recept # -824**

<sup>3</sup> Not UL/CSA listed.

Self-Returning Lid (Manual Close)

**Recept # -NC**

<sup>4</sup> Not available on 3P+N+G configurations.

With Microswitch

**Recept # -270<sup>3,4</sup>**

**!** See pages 231-240 for detailed information on these options

**Order Example: 480 V DR50 + 2 auxiliary contacts**



DR50 Poly inlet 3P+G = 31-38243-K04-972




# 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"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see pg 159.


POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.520-.680"	713P0CP5
	.680-.980"	713P0DP4
	.980-1.260"	713P0EP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.635-.750"	793P0CS4
	.770-.850"	793P0DS1
	.875-1.000"	793P0DS3
	1.000-1.125"	793P0ES2

POLY HANDLE	CABLE RANGE	PART #
	.390-1.180"	513P0D30

POLY HANDLE WITH BUILT IN DRAWPLATES	CABLE RANGE	PART #
	.390-1.180"	513P0D30473

Makes connector closures easier.


POLY HANDLE WITH CLAMP & BUSHING	CABLE RANGE	PART #
	.750-.875"	713P0S14
	.875-1.000"	713P0S16
	1.000-1.125"	713P0S18
	1.125-1.250"	713P0S20
	1.250-1.375"	713P0S22

## ANGLES

POLY ANGLE	ANGLE	PART #
	30°	513M3
	70°	513M7

METAL ANGLE	ANGLE	PART #
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	0°	593M0
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	30°	593M3
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	FS/FD 30°	793M3FS
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Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

	70°	593M7
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## BOXES


POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	3/4"	513B3N07	For poly devices only. * Interior volume with receptacle installed.
	30°	1"	513B3N10	

\* 13.5 in<sup>3</sup>

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
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	70°	513C7000	70° poly boxes are not drilled.
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\* 179.41 in<sup>3</sup>

	Ground Bar	51-AA089	* Interior volume with receptacle installed.
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POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
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	70°	1/2"	713C7N05	* Interior volume with receptacle installed.
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	

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

METAL BOX WITH NPT	ANGLE	SIZE	PART #
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	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
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	30°	1/2"	713C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

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

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

## MISCELLANEOUS ACCESSORIES


FINGER DRAWPLATES	PART #	Notes
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	61-6A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure.
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PROTECTIVE INLET/PLUG CAP	PART #	Notes
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	31-3A426	For Inlets/Plugs Only.
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PADLOCKABLE INLET/PLUG CAP	PART #	Notes
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	DS3PC	Poly – For Inlets/Plugs Only.
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SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
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	31-3A226	For Inlets/Plugs Only. In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.
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EASY RETROFIT ADAPTER PLATES	PART #	Notes
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	see pg 240	Mount to existing boxes.
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RECEPTACLE LOCKING PIN	PART #	Notes
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	LP-843	Requires Padlockable Pawl option (-843) on receptacle.
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