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 DSN & DS sections.

- **Short Circuit Rating**
  100 kA
  Testing was performed with RK1 current limiting Mersen 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 260 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)

! Remember to add installation accessories to your order

Inlet (male)

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 or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

5/16" hole

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**[3,4]
Screw-Type Locking Pawl	**Recept # -845**		
Metal Pawl (on poly receptacle)	**Recept # -824**		
Self-Returning Lid (Manual Close)	**Recept # -NC**		
With Microswitch	**Recept # -270**[3,4]		

Notes:
[3] Not UL/CSA listed.
[4] Not available on 3P+N+G configurations.

! See pages 237-246 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.

Handle Option Guide pgs 243–244

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
Poly	1/2"	**513P0N05**	**593P0N05**
	3/4"	**513P0N07**	**593P0N07**
	1"	**513P0N10**	**593P0N10**
Metal	1 1/4"	**513P0N12**	**593P0N12**

For available cord grips, see pg 231.

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

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

POLY HANDLE		
	.390-1.180"	**513P0D30**

POLY HANDLE WITH BUILT IN DRAWPLATES		
	.390-1.180"	**513P0D30473**

Makes connector closures easier.

POLY HANDLE WITH CLAMP & BUSHING		
	.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				
	30°	**513M3**	70°	**513M7** Panel mounting only.

METAL ANGLE		
	0°	**593M0**
	30°	**593M3**
	FS/FD 30°	**793M3FS**
	70°	**593M7**

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.

BOXES

POLY CONDUIT ENTRY WITH NPT			PART #
	30°	3/4"	**513B3N07**
	30°	1"	**513B3N10**

* 13.5 in^3

For poly devices only.
* Interior volume with receptacle installed.

POLY WALL BOX WITH ANGLE		
	70°	**513C7000**

* 179.41 in^3

70° poly boxes are not drilled.
* Interior volume with receptacle installed.

	Ground Bar	**51AA089**

POLY ANGLE WITH METAL BOX WITH NPT			
	70°	1/2"	**713C7N05**
	70°	3/4"	**713C7N07**
	70°	1"	**713C7N10**
	70°	1 1/4"	**713C7N12**
	70°	1 1/2"	**713C7N15**

* 177.7 in^3

* Interior volume with receptacle installed.

METAL BOX WITH NPT			
	0°	1/2"	**7T1F0N05**
	0°	3/4"	**7T1F0N07**
	0°	1"	**7T1F0N10**
	0°	1 1/4"	**7T1F0N12**

POLY ANGLE WITH METAL BOX WITH NPT			
	30°	1/2"	**713C3N05**
	30°	3/4"	**713C3N07**
	30°	1"	**713C3N10**
	30°	1 1/4"	**713C3N12**

* 29.6 in^3

For metal angle, replace "71" prefix with "79".
* Interior volume with receptacle installed.

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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	
61-6A346	Set of Two (2) Recommended for all assembly applications, for facilitated mating.

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

PADLOCKABLE INLET/PLUG CAP	
DS3PC	Poly – For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	
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.

EASY RETROFIT ADAPTER PLATES	
see pg 246	Mount to existing boxes.

RECEPTACLE LOCKING PIN	
LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR/PN/DC

MELTRIC 94