

DR50 Standard Duty Plugs & Receptacles – 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 266 for temps below -15°F.
- Wiring Capacity**
 Min 14 AWG Max 4 AWG
 Aux Contacts - Max 14 AWG
 Based on THHN wire sizes.
- Certifications**
 UL 1682, CSA 182.1

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 or contact Customer Service at 800-433-7642.

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Closed Lid Configuration

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 & Closed Lid Configuration	Recept # -4X	Type 4X Watertightness	Inlet # -4X
Mushroom Pawl	Recept # -375	With No Lockout Hole	Inlet # -A155
Padlock Pawl	Recept # -843	For Auxiliary Switch	Inlet # -270+
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on poly receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.



! See pages 243-252 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


Accessories can be used with either poly or metal plugs and receptacles.


HANDLES


HANDLE w/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 page 169.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE	Cable Range	Part #
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.39 - 1.18"	513P0D30473





Makes connector closures easier.

POLY HANDLE w/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		Part #	Notes
	30°	513M3	
	70°	513M7	Panel mounting only.


METAL ANGLE

	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* 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	


BOXES


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

* 13.5 in³

POLY WALL BOX w/ANGLE		Part #	Notes
	70°	513C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
			* Interior volume with receptacle installed.


* 179.41 in³

Ground Bar		Part #
		51AA089

POLY ANGLE WITH METAL BOX w/NPT		Part #	Notes
	70° 1/2"	713C7N05	
	70° 3/4"	713C7N07	
	70° 1"	713C7N10	* Interior volume with receptacle installed.
	70° 1 1/4"	713C7N12	
	70° 1 1/2"	713C7N15	

* 177.7 in³


METAL BOX w/NPT		Part #
	0° 1/2"	7T1F0N05
	0° 3/4"	7T1F0N07
	0° 1"	7T1F0N10
	0° 1 1/4"	7T1F0N12

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

* 29.6 in³


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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		Part #	Notes
		61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

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

PADLOCKABLE INLET/PLUG CAP		Part #	Notes
		DS3PC	Poly - For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		Part #	Notes
		31-3A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES		Part #	Notes
		see pg 166	Mount to existing boxes.

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