

DR100 Standard Duty - 100 A

DR100

UL/CSA Ratings

- Max Amperage & Voltage**
100 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 4X/IP66/IP67/IP69/IP69K
- 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 10 AWG Max 2 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 #		PART #	
		POLY	METAL	POLY	METAL
120 V	1P+N+G	31-64235-K16	39-64235-K16	31-68235-K16	39-68235-K16
120 208 V	3P+N+G	31-64237-K16	39-64237-K16	31-68237-K16	39-68237-K16
125 V	1P+N+G	31-64175-K07	39-64175-K07	31-68175-K07	39-68175-K07
125 250 V	2P+N+G	31-64176-K07	39-64176-K07	31-68176-K07	39-68176-K07
208 V	2P+G	31-64232-K16	39-64232-K16	31-68232-K16	39-68232-K16
208 V	3P+G	31-64233-K16	39-64233-K16	31-68233-K16	39-68233-K16
250 V	2P+G	31-64172-K07	39-64172-K07	31-68172-K07	39-68172-K07
250 V	3P+G	31-64173-K07	39-64173-K07	31-68173-K07	39-68173-K07
277 V	1P+N+G	31-64245-K04	39-64245-K04	31-68245-K04	39-68245-K04
277 480 V	3P+N+G	31-64247-K04	39-64247-K04	31-68247-K04	39-68247-K04
347 600 V	3P+N+G	31-64187-K14	39-64187-K14	31-68187-K14	39-68187-K14
480 V	2P+G	31-64242-K04	39-64242-K04	31-68242-K04	39-68242-K04
480 V	3P+G	31-64243-K04	39-64243-K04	31-68243-K04	39-68243-K04
600 V	2P+G	31-64182-K14	39-64182-K14	31-68182-K14	39-68182-K14
600 V	3P+G	31-64183-K14	39-64183-K14	31-68183-K14	39-68183-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**
5/16" hole
- 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 # -263	With 3 Auxiliary/Pilot Contacts	Inlet # -263
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
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	Note:	
Metal Pawl (on poly receptacle)	Recept # -824	³ Not UL/CSA listed.	
Self-Returning Lid (Manual Close)	Recept # -NC	⁴ Not available on 3P+N+G configurations.	
With Microswitch	Recept # -270 ^{3,4}		

Order Example: 480 V DR100 + 2 auxiliary contacts
DR100 Poly inlet 3P+G = 31-68243-K04-972



Handle Option Guide
pgs 237-238

INSTALLATION ACCESSORIES – SIZE 4

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"	514PON05	594PON05
3/4"	514PON07	594PON07
1"	514PON10	594PON10
1 1/4"	514PON12	594PON12
1 1/2"	514PON15	594PON15

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.680-.980"	714P0DP4
	.980-1.260"	714P0EP4
	1.260-1.560"	714P0FP1

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.770-.850"	794P0DS1
	.875-1.000"	794P0DS3
	1.000-1.125"	794P0ES2
	1.250-1.375"	794P0FS1
	1.438-1.562"	794P0FS2
	1.562-1.688"	794P0FS3

*May require stripping of cable jacket.

POLY HANDLE	CABLE RANGE	PART #
	.511-1.377"	514P0D35

POLY HANDLE WITH BUILT IN DRAWPLATES	CABLE RANGE	PART #
	.511-1.377"	514P0D35473

Makes connector closures easier.

SANTOPRENE HANDLE	CABLE RANGE	PART #
	.551-.787"	554P0D20L
	.708-.984"	554P0D25L
	.984-1.377"	554P0D35L
	1.377-1.771"	554P0D45L
	1.771-1.929"	554P0D49L

ANGLES

POLY ANGLE	ANGLE	PART #
	30°	514M3
	70°	514M7

METAL ANGLE	ANGLE	PART #
	0°	594M0
	30°	594M3
	30°	794M3L
	Oversized 30°	794M3
	70°	594M7

Mounts on oversize box only. Order with 7T5F0Nxx. See pg 98.

BOXES

POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #
	30°	1/2"	514B3N05
	30°	3/4"	514B3N07
	30°	1"	514B3N10
	30°	1 1/4"	514B3N12

* 27.7 in³

POLY WALL BOX WITH ANGLE	ANGLE	PART #
	70°	514C7000

* 181.24 in³

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

* 177.7 in³

METAL BOX WITH NPT	ANGLE	SIZE	PART #
	0°	1"	7T4F0N10
	0°	1 1/4"	7T4F0N12
	0°	1 1/2"	7T4F0N15
	0°	2"	7T4F0N20

* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #
	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20

* 61.0 in³ Poly Angle
* 59.4 in³ Metal Angle
NPT on top or bottom (if rotated). For other configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	Description
	31-6A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure...

PROTECTIVE INLET/PLUG CAP	PART #	Description
	31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	PART #	Description
	DS6PC	Poly - For Inlets/Plugs Only.
	DS6MC	Aluminum - For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Description
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal 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.

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