

DR100 Standard Duty - 100 A

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 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



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}

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

Order Example: 480 V DR100 + 2 auxiliary contacts

DR100 Poly inlet 3P+G = 31-68243-K04-972



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"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

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	Panel mounting only.

METAL ANGLE		ANGLE	PART #
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 98.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY WITH NPT		ANGLE	SIZE	PART #	NOTES
	30°	1/2"	514B3N05		For poly devices only.
	30°	3/4"	514B3N07		
	30°	1"	514B3N10		* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12		

* 27.7 in³

POLY WALL BOX WITH ANGLE		ANGLE	PART #
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	70°	514C7000	70° poly boxes are not drilled.
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* 181.24 in³

	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"	714C7N05		
	70°	3/4"	714C7N07		
	70°	1"	714C7N10		* Interior volume with receptacle installed.
	70°	1 1/4"	714C7N12		
	70°	1 1/2"	714C7N15		

* 177.7 in³

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

POLY ANGLE WITH METAL BOX WITH NPT		ANGLE	SIZE	PART #	NOTES
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	30°	1"	714C3N10		For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12		
	30°	1 1/2"	714C3N15		* Interior volume with receptacle installed.
	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 #	NOTES
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	31-6A346	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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	31-6A426	For Inlets/Plugs Only.
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PADLOCKABLE INLET/PLUG CAP		PART #	NOTES
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	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 #	NOTES
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	31-6A226	For Poly 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.
	39-6A226	For Metal Inlets/Plugs Only.	

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