

DR30 Standard Duty - 30 A

UL/CSA Ratings

- **Max Amperage & Voltage**
30 A, 600 VAC
- **Current Interruption Capability**
Not for current interrupting
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 8 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	31-14235-K16	31-18235-K16
120 208 V	3P+N+G	31-14237-K16	31-18237-K16
125 V	1P+N+G	31-14175-K07	31-18175-K07
125 250 V	2P+N+G	31-14176-K07	31-18176-K07
208 V	2P+G	31-14232-K16	31-18232-K16
208 V	3P+G	31-14233-K16	31-18233-K16
250 V	2P+G	31-14172-K07	31-18172-K07
250 V	3P+G	31-14173-K07	31-18173-K07
277 V	1P+N+G	31-14245-K04	31-18245-K04
277 480 V	3P+N+G	31-14247-K04	31-18247-K04
347 600 V	3P+N+G	31-14187-K14	31-18187-K14
480 V	2P+G	31-14242-K04	31-18242-K04
480 V	3P+G	31-14243-K04	31-18243-K04
600 V	2P+G	31-14182-K14	31-18182-K14
600 V	3P+G	31-14183-K14	31-18183-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.

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

RECEPTACLE OPTIONS

SUFFIX

INLET OPTIONS

SUFFIX

With 2 Auxiliary/Pilot Contacts

Recept # -972

With 2 Auxiliary/Pilot Contacts

Inlet # -972

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

Notes:

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 DR30 + 2 auxiliary contacts

DR30 Poly inlet 3P+G = 31-18243-K04-972



INSTALLATION ACCESSORIES – SIZE 2

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"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	-

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.350-.520"	712P0BP6
	.520-.680"	712P0CP5
	.680-.980"	712P0DP4
	.980-1.260"	712P0EP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.438-.500"	792P0BS3
	.500-.562"	792P0BS4
	.562-.625"	792P0CS2
	.625-.750"	792P0CS4
	.770-.875"	792P0DS1
	.870-1.000"	792P0DS3

POLY HANDLE	CABLE RANGE	PART #
	.200-.820"	512P0D21

POLY HANDLE WITH CLAMP & BUSHING	CABLE RANGE	PART #
	.750-.875"	712P0S14
	.875-1.000"	712P0S16
	1.000-1.125"	712P0S18
	1.125-1.250"	712P0S20
	1.250-1.375"	712P0S22

ANGLES

POLY ANGLE	ANGLE	PART #
	30°	512M3

	70°	512M7
---	-----	-------

Panel mounting only.

METAL ANGLE	ANGLE	PART #
	0°	592M0
	30°	592M3
	FS/FD 30°	792M3FS

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	ANGLE	SIZE	PART #	Notes
	30°	1/2"	512B3N05	For poly devices only. * Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

* 7.0 in³

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	512C7000	70° poly boxes are not drilled.

* 82.0 in³

	Ground Bar	51-AA089	* Interior volume with receptacle installed.
---	------------	----------	--

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	

METAL BOX WITH NPT	ANGLE	SIZE	PART #
	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
	30°	1/2"	712C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	Notes
	61-3A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP	PART #	Notes
	31-1A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	DS1PC	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	31-1A226	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	Notes
	see pg 240

Mount to existing boxes.

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