

# DR30 Standard Duty Plugs & Receptacles – 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**  
100kA  
Testing was performed with RK1 current limiting fuses sized at least 100% of the devices ampacity rating.
- **Environmental Ratings**  
Type 3R (Standard)  
Type 4X (Optional)
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 8 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 #<br>Poly | Part #<br>Poly |
|----------|----------|----------------|----------------|
| 120V     | 1P+N+G   | 31-14235-K16   | 31-18235-K16   |
| 120 208V | 3P+N+G   | 31-14237-K16   | 31-18237-K16   |
| 125V     | 1P+N+G   | 31-14175-K07   | 31-18175-K07   |
| 125 250V | 2P+N+G   | 31-14176-K07   | 31-18176-K07   |
| 208V     | 2P+G     | 31-14232-K16   | 31-18232-K16   |
| 208V     | 3P+G     | 31-14233-K16   | 31-18233-K16   |
| 250V     | 2P+G     | 31-14172-K07   | 31-18172-K07   |
| 250V     | 3P+G     | 31-14173-K07   | 31-18173-K07   |
| 277V     | 1P+N+G   | 31-14245-K04   | 31-18245-K04   |
| 277 480V | 3P+N+G   | 31-14247-K04   | 31-18247-K04   |
| 347 600V | 3P+N+G   | 31-14187-K14   | 31-18187-K14   |
| 480V     | 2P+G     | 31-14242-K04   | 31-18242-K04   |
| 480V     | 3P+G     | 31-14243-K04   | 31-18243-K04   |
| 600V     | 2P+G     | 31-14182-K14   | 31-18182-K14   |
| 600V     | 3P+G     | 31-14183-K14   | 31-18183-K14   |

For international configurations and ratings (IEC,CE) visit [meltric.com/international-catalog](http://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**

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 # - NNF\***

Padlockable Mushroom Pawl

**Recept # - 375-843**

Screw-Type Locking Pawl

**Recept # - 845**

**Notes:** \* Order inlet with P+N+G configuration and receptacle with P+G configuration.

Metal Pawl (on poly receptacle)

**Recept # - 824**

Closed Lid Configuration

**Recept # - NC**

With Auxiliary Switch

**Recept # - 270+**

**Notes:** + Not UL/CSA listed.

**!** See pages 235-244 for detailed information on these options





**Order Example: 480V DR30 + 2 auxiliary contacts**

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


# INSTALLATION ACCESSORIES – SIZE 2


Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.


**HANDLES**


| HANDLE w/NPT   | Part # Poly     | Part # Metal    |
|--|-----------------|-----------------|
|  Poly 1/2"    | <b>512P0N05</b> | <b>592P0N05</b> |
|  Poly 3/4"    | <b>512P0N07</b> | <b>592P0N07</b> |
|  Metal 1"     | <b>512P0N10</b> | <b>592P0N10</b> |
|  Metal 1 1/4" | <b>512P0N12</b> | -               |

For available cord grips, see page 167.

| POLY HANDLE w/CORD GRIP   | Cable Range   | Part #          |
|---|---------------|-----------------|
|  | .350 - .520"  | <b>712P0BP6</b> |
|   | .520 - .680"  | <b>712P0CP5</b> |
|   | .680 - .980"  | <b>712P0DP4</b> |
|   | .980 - 1.260" | <b>712P0EP4</b> |

| METAL HANDLE w/CORD GRIP  | Cable Range   | Part #          |
|---|---------------|-----------------|
|  | .438 - .500"  | <b>792P0BS3</b> |
|   | .500 - .562"  | <b>792P0BS4</b> |
|   | .562 - .625"  | <b>792P0CS2</b> |
|   | .625 - .750"  | <b>792P0CS4</b> |
|   | .750 - .875"  | <b>792P0DS1</b> |
|   | .875 - 1.000" | <b>792P0DS3</b> |

| POLY HANDLE  | Cable Range | Part #          |
|--|-------------|-----------------|
|  | .20 - .83"  | <b>512P0D21</b> |


| POLY HANDLE w/CLAMP & BUSHING   | Cable Range    | Part #          |
|---|----------------|-----------------|
|  | .750 - .875"   | <b>712P0S14</b> |
|   | .875 - 1.000"  | <b>712P0S16</b> |
|   | 1.000 - 1.125" | <b>712P0S18</b> |
|   | 1.125 - 1.250" | <b>712P0S20</b> |
|   | 1.250 - 1.375" | <b>712P0S22</b> |


**ANGLES**

| POLY ANGLE  | Angle | Part #       |
|---|-------|--------------|
|  | 30°   | <b>512M3</b> |

|   |     |                                   |
|---|-----|-----------------------------------|
|  | 70° | <b>512M7</b> Panel mounting only. |
|---|-----|-----------------------------------|


| METAL ANGLE   | Angle | Part #       |
|---|-------|--------------|
|  | 0°    | <b>592M0</b> |

|   |     |              |
|---|-----|--------------|
|  | 30° | <b>592M3</b> |
|---|-----|--------------|


|   |               |                |
|---|---------------|----------------|
|  | FS/FD Box 30° | <b>792M3FS</b> |
|---|---------------|----------------|

\* 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 w/NPT  | Angle | NPT  | Part #          | Notes   |
|---|-------|------|-----------------|---|
|  | 30°   | 1/2" | <b>512B3N05</b> | For poly devices only<br>* Interior volume with receptacle installed. |
|   | 30°   | 3/4" | <b>512B3N07</b> |   |

\* 7.0 in<sup>3</sup>


| POLY WALL BOX w/ANGLE   | Angle | Part #          | Notes   |
|---|-------|-----------------|---|
|  | 70°   | <b>512C7000</b> | 70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.<br>* Interior volume with receptacle installed. |

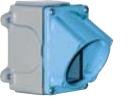
\* 82.0 in<sup>3</sup>

|   |            |                |
|---|------------|----------------|
|  | Ground Bar | <b>51AA089</b> |
|---|------------|----------------|

| POLY ANGLE WITH METAL BOX w/NPT   | Angle | NPT    | Part #          | Notes  |
|---|-------|--------|-----------------|--|
|  | 70°   | 1/2"   | <b>712C7N05</b> | * Interior volume with receptacle installed. |
|   | 70°   | 3/4"   | <b>712C7N07</b> |  |
|   | 70°   | 1"     | <b>712C7N10</b> |  |
|   | 70°   | 1 1/4" | <b>712C7N12</b> |  |
|   | 70°   | 1 1/2" | <b>712C7N15</b> |  |

\* 74.6 in<sup>3</sup>


| METAL BOX w/NPT  | Angle | NPT    | Part #          |
|--|-------|--------|-----------------|
|  | 0°    | 1/2"   | <b>7T1F0N05</b> |
|  | 0°    | 3/4"   | <b>7T1F0N07</b> |
|  | 0°    | 1"     | <b>7T1F0N10</b> |
|  | 0°    | 1 1/4" | <b>7T1F0N12</b> |

| POLY ANGLE WITH METAL BOX w/NPT   | Angle | NPT    | Part #          | Notes   |
|---|-------|--------|-----------------|---|
|  | 30°   | 1/2"   | <b>712C3N05</b> | For metal angle, replace "71" prefix with "79".<br>* Interior volume with receptacle installed. |
|   | 30°   | 3/4"   | <b>712C3N07</b> |   |
|   | 30°   | 1"     | <b>712C3N10</b> |   |
|   | 30°   | 1 1/4" | <b>712C3N12</b> |   |

\* 28.7 in<sup>3</sup>


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

**MISCELLANEOUS ACCESSORIES**


| FINGER DRAWPLATES   | Part #          | Notes   |
|---|-----------------|---|
|  | <b>61-3A346</b> | Set of Two (2)<br>Recommended for cord to cord assembly applications, for easier connector closure. |

| PROTECTIVE INLET/PLUG CAP   | Part #          | Notes                  |
|---|-----------------|------------------------|
|  | <b>31-1A426</b> | For Inlets/Plugs Only. |

| PADLOCKABLE INLET/PLUG CAP  | Part #       | Notes                  |
|---|--------------|------------------------|
|  | <b>DS1PC</b> | For Inlets/Plugs Only. |

| SPRING-LOADED PADLOCKABLE INLET/PLUG CAP  | Part #          | Notes   |
|---|-----------------|---|
|  | <b>31-1A226</b> | For Inlets/Plugs Only.<br>-A155 suffix required to maintain water ingress protection. |

| EASY RETROFIT ADAPTER PLATES  | Part #     | Notes                    |
|---|------------|--------------------------|
|  | see pg 164 | Mount to existing boxes. |

| RECEPTACLE LOCKING PIN  | Part #        | Notes  |
|---|---------------|--|
|  | <b>LP-843</b> | Requires Padlockable Pawl option (-843) on receptacle. |