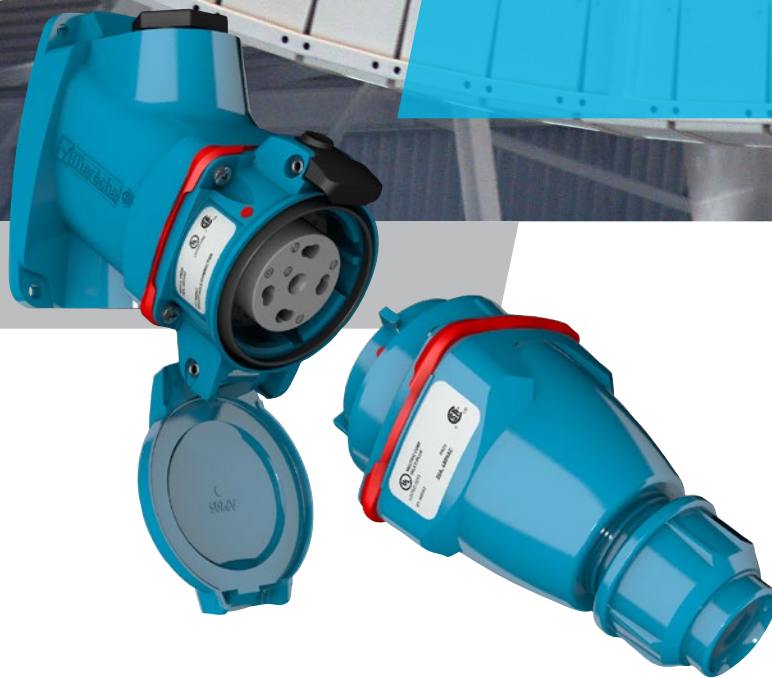


PN Standard Duty plug and receptacle

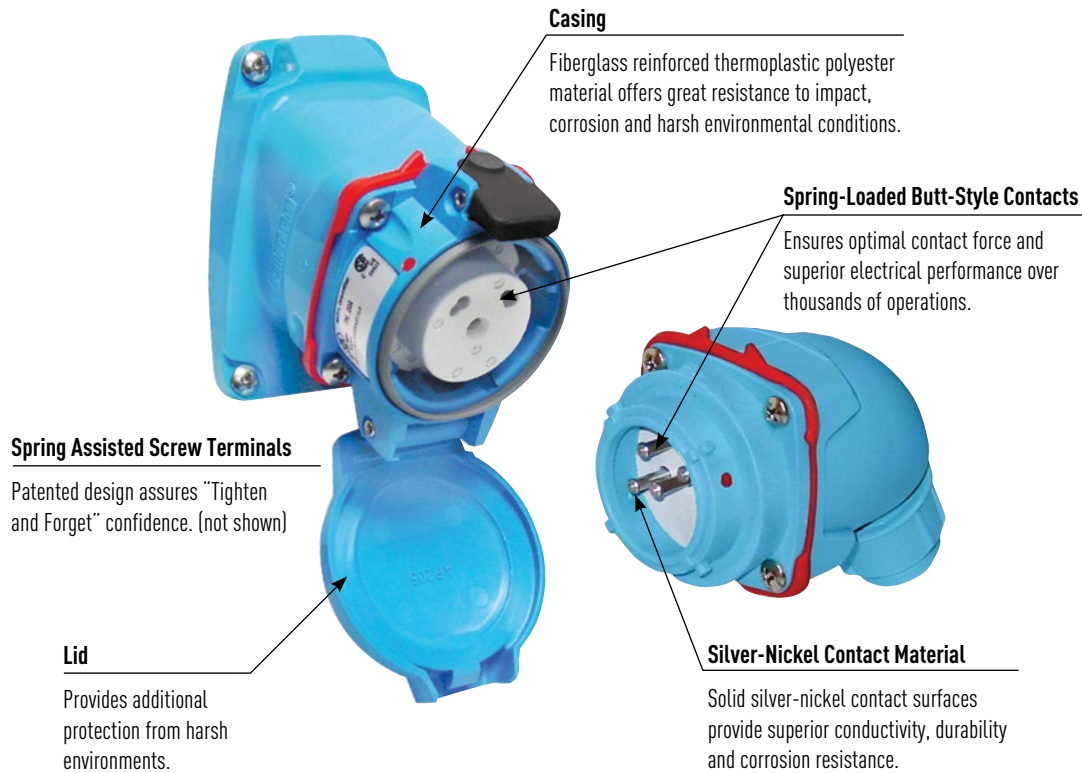
Main Advantages

- ▶ Compact yet durable device
- ▶ Spring-loaded silver-nickel devices
- ▶ Spring-assisted terminals are unaffected by vibrations and thermal cycling



- ▶ **Features and Ratings** p. 115
- ▶ **PN20** p. 116
- ▶ **Spare parts** p. 118
- ▶ **Dimensions** p. 120

PRODUCT FEATURES



General Ratings

| | |
|----------------------|---|
| Amperage | 20A |
| Voltage | 600 VAC Max |
| Frequency | 50-400 Hz |
| Environmental | IP66/IP67 |
| Temperature | min -40°F/max 140°F (465° high temp model) |

Current Interruption Listings

| Model | Current Interruption Capabilities |
|-------|-----------------------------------|
| PN20 | For current interrupting |

Highlighted Feature

PN Contact



PN devices feature silver-nickel, spring-loaded, butt-style contacts for superior durability and electrical performance.

Operating Instructions



To break the circuit and remove the plug, press the pawl, apply inward force and rotate the plug clockwise.



The plug can be safely withdrawn from the receptacle. The plug contacts remain shrouded until after the circuit is broken.



To reconnect, align the red dots on the plug and receptacle bodies, insert plug into the receptacle, apply insertion force and rotate the plug 20° counterclockwise.

Listings

| Category | UL | CSA | IEC |
|-----------------------|----------|------------------|---------|
| Plugs and Receptacles | UL 1682* | C22.2 No. 182.1* | 60309-1 |

* PN 20A devices are UL and CSA listed for current interrupting. PNHT devices are not UL/CSA listed.

PN20 Compact Plugs & Receptacles – 20A or 15A (600V)

UL/CSA Ratings

- **Max Amperage & Voltage**
20A, 600 VAC
- **Current Interruption Capability**
20A Current Interrupting (up to 480 VAC)
15A Current Interrupting (600 VAC)
- **Environmental Ratings**
Type 3R, Type 4X
- **Temperature Range**
Min -40°F/Max 140°F
See pg 253 for temps below -15°F.
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
- **Certifications**
UL 1682, CSA 182.01

IEC/CE Ratings

- **Environmental Ratings**
IP66/IP67*, IP54/IP55**
* IP66/IP67 provides advanced watertightness for washdown duty applications.
** IP55 provides rainproof watertightness with ease of connection convenience.
- **Applicable Standards**
CE

Notes: • 600V devices are rated for current interrupting up to 15A only.

Receptacle female



! Don't forget to add installation accessories to your order

H IP55 receptacle comes without a pawl.

Inlet male



H The same male inlet is used for IP66/IP67 or IP55 watertight ratings.

North American UL/CSA Configurations

| Voltage | Polarity | Part # IP66/IP67 | | Part # IP55 | | Part # | |
|----------|----------|------------------|----------|-------------|----------|----------|----------|
| | | Poly | Metal | Poly | Metal | Poly | Metal |
| 120V | 1P+N+G | 01-N4165 | 09-N4165 | 01-S4165 | 09-S4165 | 01-N8165 | 09-N8165 |
| 120 208V | 3P+N+G | 01-N4167 | 09-N4167 | 01-S4167 | 09-S4167 | 01-N8167 | 09-N8167 |
| 125V | 1P+N+G | 01-N4075 | 09-N4075 | 01-S4075 | 09-S4075 | 01-N8075 | 09-N8075 |
| 125 250V | 2P+N+G | 01-N4076 | 09-N4076 | 01-S4076 | 09-S4076 | 01-N8076 | 09-N8076 |
| 208V | 2P+G | 01-N4162 | 09-N4162 | 01-S4162 | 09-S4162 | 01-N8162 | 09-N8162 |
| 208V | 3P+G | 01-N4163 | 09-N4163 | 01-S4163 | 09-S4163 | 01-N8163 | 09-N8163 |
| 250V | 2P+G | 01-N4072 | 09-N4072 | 01-S4072 | 09-S4072 | 01-N8072 | 09-N8072 |
| 250V | 3P+G | 01-N4073 | 09-N4073 | 01-S4073 | 09-S4073 | 01-N8073 | 09-N8073 |
| 277V | 1P+N+G | 01-N4045 | 09-N4045 | 01-S4045 | 09-S4045 | 01-N8045 | 09-N8045 |
| 277 480V | 3P+N+G | 01-N4047 | 09-N4047 | 01-S4047 | 09-S4047 | 01-N8047 | 09-N8047 |
| 347 600V | 3P+N+G | 01-N4147 | 09-N4147 | 01-S4147 | 09-S4147 | 01-N8147 | 09-N8147 |
| 480V | 2P+G | 01-N4042 | 09-N4042 | 01-S4042 | 09-S4042 | 01-N8042 | 09-N8042 |
| 480V | 3P+G | 01-N4043 | 09-N4043 | 01-S4043 | 09-S4043 | 01-N8043 | 09-N8043 |
| 600V | 2P+G | 01-N4142 | 09-N4142 | 01-S4142 | 09-S4142 | 01-N8142 | 09-N8142 |
| 600V | 3P+G | 01-N4143 | 09-N4143 | 01-S4143 | 09-S4143 | 01-N8143 | 09-N8143 |

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Main Options



Reverse Interiors



Flush Mount
(replaces female casing)



Locking Pawl

Receptacle Options

Suffix

Inlet Options

Suffix

Reverse Interiors

Recept # - 001

Reverse Interiors

Inlet # - 001

With Flush Mount

Recept # - 142

Locking Pawl

Recept # - 824-300




! See pages 230-239 for detailed information on these options





Order Example: 480V PN20 IP66/IP67 + reverse interiors
PN20 Receptacle 3P+G = 01-N4043-001




INSTALLATION ACCESSORIES – SIZE 1


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


HANDLES

| HANDLE w/NPT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  1/2" | 511P0N05 | 591P0N05 |
|  3/4" | 511P0N07 | 591P0N07 |
|  1" | 511P0N10 | 591P0N10 |

| HANDLE w/CORD GRIP | Cable Range | Poly | Metal |
|--|--------------|----------|----------|
|  .438 - .500" | .438 - .500" | 711P0BP3 | 791P0BS3 |
|  .500 - .562" | .500 - .562" | 711P0BP4 | 791P0BS4 |
|  .562 - .625" | .562 - .625" | 711P0BP5 | 791P0BS5 |
|  .625 - .750" | .625 - .750" | 711P0CP4 | 791P0CS4 |

| 90° NYLON HANDLE Threaded Opening w/NPT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  1/2" | 751P9N05 | |
|  3/4" | 751P9N07 | |
|  1" | 751P9N10 | |


| NYLON HANDLE w/Cable Range | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  .35 - .69 mm | 511P0D18 | |

| ANGLED NYLON HANDLE w/Cable Range | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  .35 - .69 mm | 511P6D18 | |

For available cord grips, see pg 178

| Cable Range | NPT | NPT sizes are determined by the cable diameter and third party cord grip. |
|--------------|------|---|
| .312 - .625 | 1/2" | |
| .438 - .812 | 3/4" | |
| .660 - 1.000 | 1" | |


ANGLES

| NYLON ANGLE | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  30° for MB Box | 511M3 | |



| METAL ANGLE | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  0° | 591M0 | |

| FS/FD Box 30° | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  FS/FD Box 30° | 791M3FS | |

* 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.


| 45° | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  45° | 591M4 | |

BOXES




| POLY CONDUIT ENTRY w/NPT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  30° 1/2" | 511B3N05 | |
|  30° 3/4" | 511B3N07 | |





| POLY WALL BOX w/NPT | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  0° 1/2" | 511B0N05 | |
|  0° 3/4" | 511B0N07 | |





| METAL WALL BOX w/NPT | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  0° 1/2" | 591B0N05 | |
|  0° 3/4" | 591B0N07 | |

| POLY WALL BOX | Part # Poly | Part # Metal |
|---|-------------|--------------|
|  70° 1/2" - 1 1/4" | 511C7000 | |

70° poly boxes are not drilled. Contact customer service if factory drilling is required.


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

| METAL BOX WITH NYLON ANGLE w/NPT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  30° 1/2" | 711C3N05 | |
|  30° 3/4" | 711C3N07 | |
|  30° 1" | 711C3N10 | |
|  30° 1 1/4" | 711C3N12 | |

| METAL BOX WITH METAL ANGLE w/NPT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  45° 1/2" | 791C4N05 | |
|  45° 3/4" | 791C4N07 | |
|  45° 1" | 791C4N10 | |
|  45° 1 1/4" | 791C4N12 | |

NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

MISCELLANEOUS ACCESSORIES

| PROTECTIVE CAP | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  01-NA126 | 01-NA126 | |

For Male Devices Only.
Will not fit devices with reverse interiors.

| FLUSH MOUNT | Part # Poly | Part # Metal |
|--|-------------|--------------|
|  01-2A142 | 01-2A142 | |