LEVITON®

**NORTH AMERICAN RATED**

**G**

Pin & Sleeve
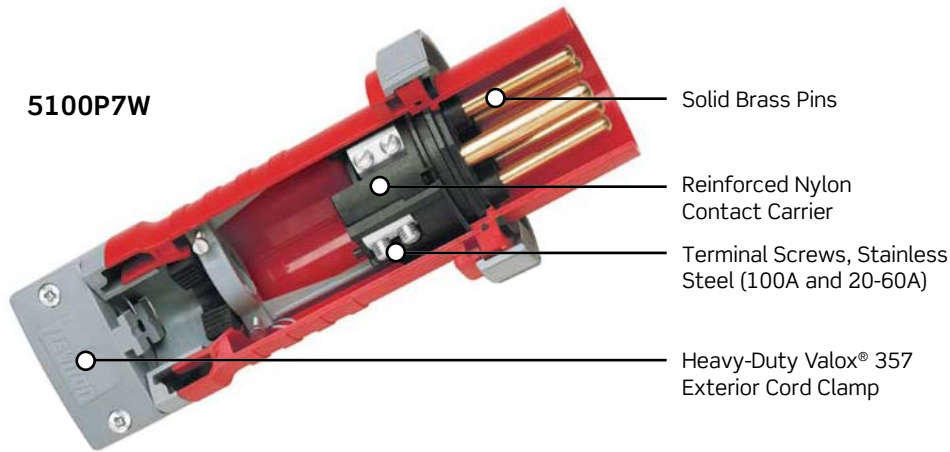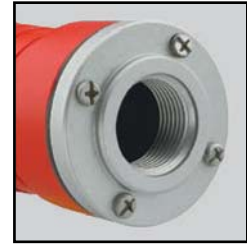
# North American Rated Devices
## The Watertight Line. Superior Connection...Superior Protection
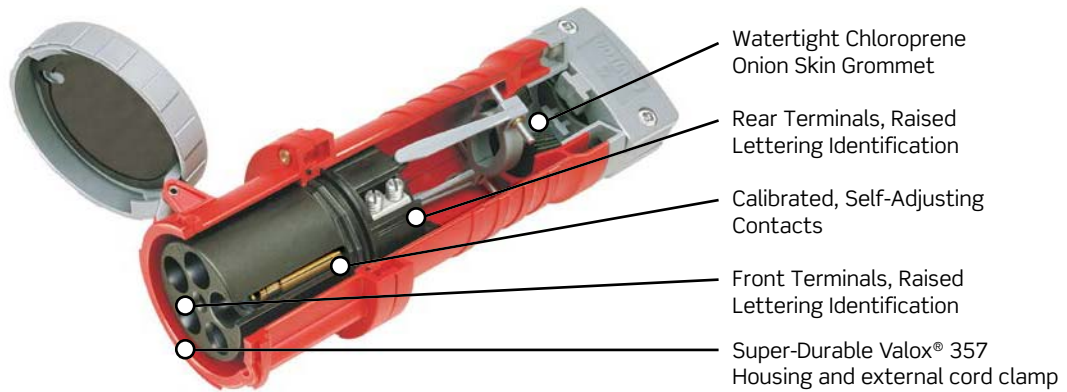
**5100P7W**

- Solid Brass Pins
- Reinforced Nylon Contact Carrier
- Terminal Screws, Stainless Steel (100A and 20-60A)
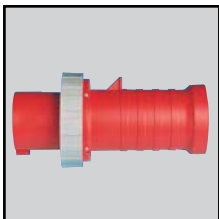- Heavy-Duty Valox® 357 Exterior Cord Clamp

Accepts liquid-tight conduit with adapter accessory **(page G-15)**

**5100C7W**

- Watertight Chloroprene Onion Skin Grommet
- Rear Terminals, Raised Lettering Identification
- Calibrated, Self-Adjusting Contacts
- Front Terminals, Raised Lettering Identification
- Super-Durable Valox® 357 Housing and external cord clamp

**Super Tough Housing**
- Provides maximum protection from abuse and environment
- Heavy-wall molding of Valox® 357 resists impact, heat, flame and chemicals
- Superior performance in low-to-high ambient temperature extremes (-40°C to 60°C)
- Excellent UV stability for superior outdoor performance (UL1682)
- V-0 flammability rating
- Fully insulated
- Color-coded by voltage for easy identification
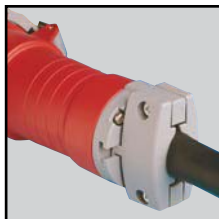
**External Cord Clamp**
- Protects terminals from strain
- Accommodates a wide variety of cord sizes
- Excellent impact strength
- Excellent UV stability for superior outdoor performance (UL1682)
- V-0 flammability rating
- Accepts wire mesh strain relief

**Internal Cord Clamp**
- Secondary method for eliminating strain on terminals and conductors
- True IEC 60309-1 & 60309-2 acceptance
- Constructed of sturdy thermoplastic for tough environments
- Removes easily for user convenience

**Spring Loaded Cover, Cover Arm, & Locking Rings**
- Rings lock plug to connector
- Spring loaded cover closes automatically
- "Performance grade" Stainless Steel cover spring for superior corrosion-resistance and long life
- Excellent UV stability for outdoor use
- V-0 flammability rating
- Interior arm design in 60 and 100 amp helps eliminate breakage
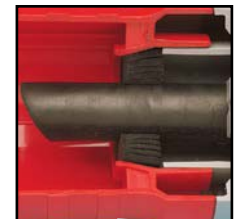
**Gasket/Grommet**
- Prevents moisture, dust, and contaminants from entering housing or pin/contact carrier
- Solid chloroprene for positive seal and excellent chemical/corrosion-resistance
- Onion skin design on grommet provides precise watertight fit, eliminating the need to choose from multiple grommets that may not fit the cable jacket precisely

Valox® is a registered trademark of SABIC

## NORTH AMERICAN RATED

### Features and Benefits

- Rugged housing, made of superior performance Valox® 357, provides maximum corrosion protection and makes the device more resistant to impact, abuse and temperature extremes. V-0 flame rated and superior UV stability
- Contact carrier resists arcing and internal heat build up; 60A and 100A contact/pin carriers are made of reinforced nylon for even greater strength and temperature resistance
- Zinc-coated steel terminal screws on 20A and 30A devices
- Brass terminal screws on 60A devices
- Dependable, clean brass construction for long life, reliable electrical contact, maximum conductivity, and corrosion resistance
- Watertight chloroprene onion skin grommet provides a precise, reliable seal at the cable entry point
- Ground, neutral and phase terminals are clearly identified by color coding or letters and numbering on both front and back sides
- Multiple contact points assure a continuously reliable electrical connection
- Engineered to IP67 watertight and IP69K high-pressure, high-temperature washdown standards
- North American Rated Devices 20A, 30A, 60A and 100A
- Meets North American IEC 60309-1 and 60309-2 Standards
- UL Rated for both 50Hz and 60Hz applications
- Rockwell Automation Encompass™ Product Partner
- Backed by a limited 2-year warranty



**Pin & Contact Carrier, 60 & 100 Amp**
- Protects pins and contacts, holding them firmly in place
- Pin carrier and contact carrier constructed of glass fiber reinforced nylon for maximum impact resistance and maximum protection of pins and contacts
- Superior arc-tracking resistance
- Excellent heat-resistance and flame resistance
- Chamfered wire entry makes wiring easier
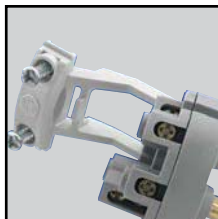


**Pin & Contact Carrier, 20 & 30 Amp**
- Pin carrier and contact carrier constructed of nylon for maximum impact resistance and maximum protection of pins and contacts
- Terminal screws are aligned on a single plane for easier access
- Internal hinged cord clamp adds strain-relief and swings aside when wiring terminals
- Large diameter combination head terminal screws
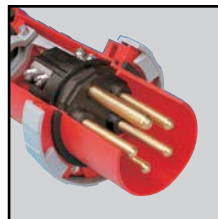


**Pins**
- Designed for manageable insertion/withdrawal force
- Clean brass construction resists corrosion, provides superior contact and low electrical resistance
- Rounded tips reduce insertion force and decrease wear on the contact surface area



**Sleeves (Contacts)**
- Designed for manageable insertion/withdrawal force
- Clean brass construction resists corrosion, provides superior contact and low electrical resistance
- Self-adjusting, machine-calibrated contacts for accurate contact pressure designed for superior wiping and cleaning action
- Made from high performance Swedish Industrial Standard (SIS) Brass 5170-04
- Positioned at sleeve entrance, stainless steel spring enables pin cleaning at earliest point of entry



**Terminal Screws**
- Engineered to provide maximum holding power and lowest electrical resistance
- Accepts a wide range of conductors
- Double screws ensure secure connection
- Direct bearing pressure terminals for 20, 30 and 60 Amp ratings; pressure clamp termination for 100 Amp devices

**NORTH AMERICAN RATED** | Accessories, Replacement Parts

## Replacement Watertight Locking Ring — North American Rated



RA420



RA100

| Replacement Watertight Locking Ring for Plugs and Inlets | |
|---|---|
| **Application** | **Cat. No.** |
| 20A, 3-wire | RA320 |
| 20A, 4-wire | RA420 |
| 20A, 5-wire | RA520 |
| 30A, 3-, 4-wire | RA343 |
| 30A, 5-wire | RA530 |
| All 60A | RA060 |
| All 100A | RA100 |

| Replacement Grommets for Plugs and Connectors | |
|---|---|
| **Application** | **Cat. No.** |
| 20A, 3-, 4-wire | GROMT-020 |
| 20A, 5-wire: 30A, 3-, 4-wire | GROMT-023 |
| 30A, 5-wire | GROMT-030 |
| All 60A | GROMT-060 |
| All 100A | GROMT-100 |

## Liquid-Tight Adapters — North American Rated



L7902 Straight Male Liquid-Tight Grip
for use with flexible metal conduit
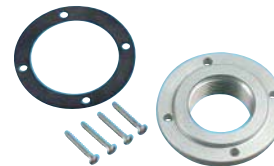


SAD125

| Liquid-Tight Adapters for Plugs and Connectors | | | |
|---|---|---|---|
| **Application** | **NPT Size Adapter** | **Cat. No. Adapter** | **Cat. No. Straight Male Fitting** |
| 20A, 3-, 4-wire | 1/2" NPT | SAA12 | L7902 |
| 20A, 5-wire | 1/2" NPT | SAB12 | L7902 |
| 30A, 3-, 4-wire | 3/4" NPT | SAB34 | L7903 |
| 30A, 5-wire | 3/4" NPT | SAC34 | L7903 |
| 30A, 5-wire | 1" NPT | SAC100 | L7904 |
| 60A, All | 1 ¼" NPT | SAC125 | L7905 |
| 100A, All | 1 ¼" NPT | SAD125 | L7905 |

Pin & Sleeve

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