

## Technical Specifications - Splashproof

### Listings

Complies with IEC 60309-1 and 60309-2 International Standards for singly-rated non-interchangeable configurations

CE  
VDE

### Materials

#### Plug/Connector

|  |   |
|--|---|
| Housing, gland nut and cord clamp assembly | Toughened nylon                                 |
| Cord gland                                 | Neoprene  |
| Seals/gaskets                              | Neoprene, EPDM, TPE                             |
| Phase/ground pins                          | Brass   |
| Terminal screws                            | Plated steel                                    |
| Terminal cover                             | Toughened nylon                                 |
| Contact carrier                            | Glass-reinforced nylon                          |
| Gland friction washer                      | Plated carbon steel (30/60/100A)<br>Nylon (20A) |
| Assembly screws                            | Plated steel                                    |

#### Connector

|                      |                            |
|----------------------|----------------------------|
| Cover spring         | Stainless steel            |
| Phase/ground sleeves | Brass                      |
| Sleeve spring        | Nickel-plated spring steel |
| Hinge pins           | Brass                      |

#### Receptacle

|                                       |                            |
|---------------------------------------|----------------------------|
| Housing/mounting flange and cover arm | Toughened nylon            |
| Cover spring                          | Stainless steel            |
| Seals/gaskets                         | Neoprene, EPDM, TPE        |
| Hinge pins                            | Brass                      |
| Contact carrier                       | Glass-reinforced nylon     |
| Terminal cover                        | Toughened nylon            |
| Phase/ground sleeves                  | Brass                      |
| Sleeve spring                         | Nickel-plated spring steel |
| Mounting screws                       | Stainless steel            |
| Terminal screws                       | Plated steel               |

### Performance

#### Electrical

|                              |   |
|------------------------------|---|
| Dielectric voltage withstand | 3,000 Volts - receptacle,<br>2,200 Volts - plug and connector               |
| Max. working voltage         | 500 Volts AC  |
| Spacings                     | ¼" minimum creepage and clearance   |
| Current interrupting         | Certified for current interrupting at full rated current                    |
| Endurance                    | Up to 5,000 connect and disconnect cycles at full rated current and voltage |

#### Mechanical

|                         |   |
|-------------------------|---|
| Impact resistance       | After 6 hours at -25°C, 8 drops from 2½' with 7½' length cord |
| Mechanical crush test   | 250 lbs. force for 1 minute after 6 hours at -25°C            |
| Terminal identification | Terminals identified in accordance with IEC 309               |
| Product identification  | Catalog number and rating indicated on device                 |

#### Environmental

|                          |  |
|--------------------------|--|
| Flammability (enclosure) | V2 minimum per UL 94   |
| Operating temperatures   | Maximum continuous 95°C with impact,<br>minimum continuous -40°C without impact                                      |
| Ingress protection       | IP44 suitability   |
| Polarization integrity   | Mating devices will not energize ground if polarization feature is removed from housing and 40 lbs. force is applied |

The following international electrical regulatory agencies recognize IEC 309 standard Pin & Sleeve devices.



Austria



Belgium



Czech Republic



Denmark



Finland



Germany



Great Britain



Hungary



Italy



Netherlands



Norway



Sweden