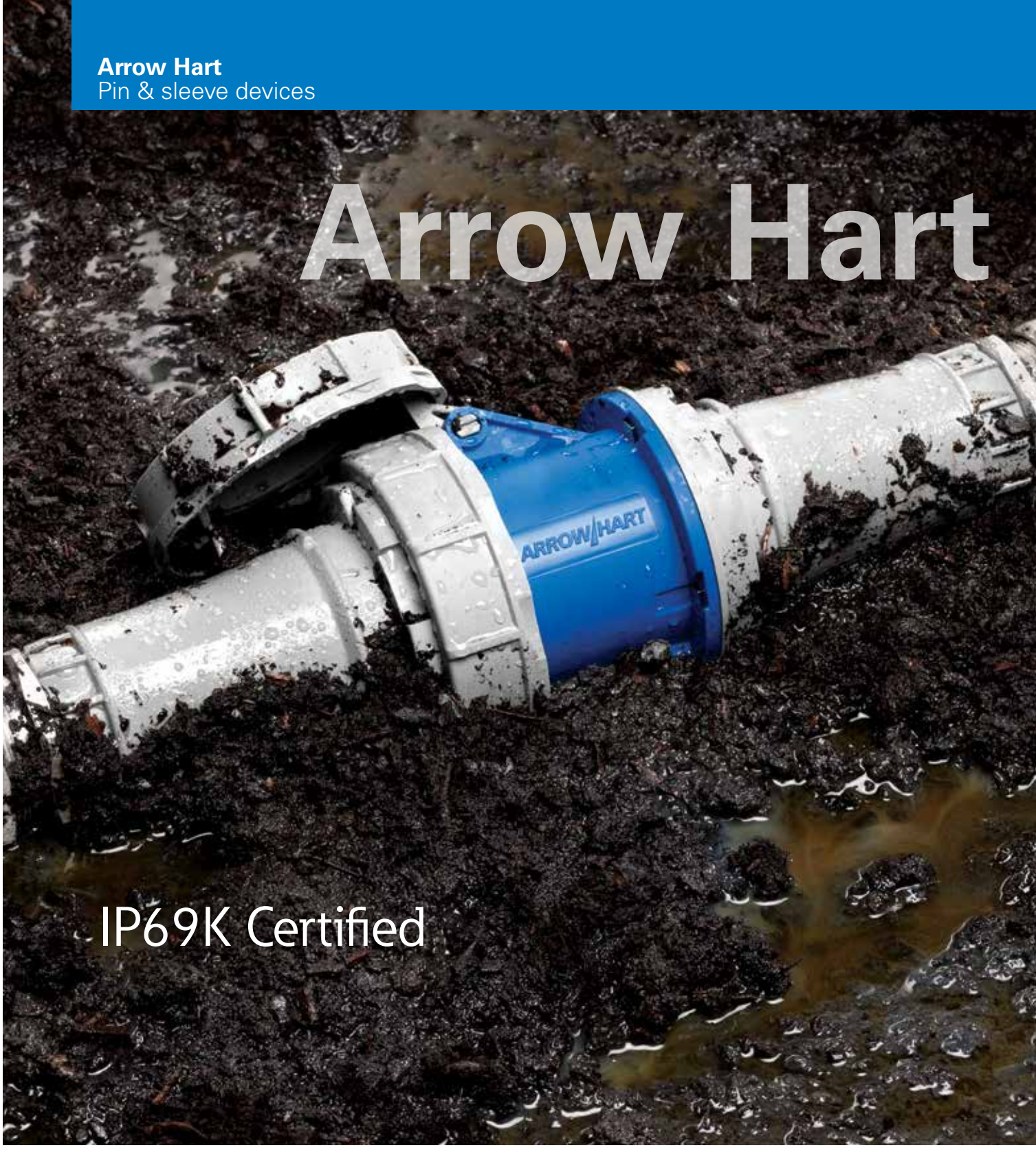
**Arrow Hart**
Pin & sleeve devices

# Arrow Hart




## IP69K Certified

EATON
*Powering Business Worldwide*



# Arrow Hart

## Arrow Hart's pin & sleeve devices and mechanical interlocks

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**IP69K** ***certified***





### Pin & sleeve devices

Sturdy nylon construction, rugged design with corrosion resistant components for lasting electrical performance. Watertight sealing that provides IP69K protection so you can feel confident in even the most severe washdown environments.

### Pin & sleeve mechanical interlocks

Factory-wired in a single unit for easy installation, our watertight pin & sleeve mechanical interlocks provide an interlocked switch and overload protection within an enclosure that prevents plugs from being engaged or disengaged under load.



**Compliances, specifications and availability are subject to change without notice.**



# IP69K testing

## The IP69K test was designed specifically for rating protection against a high pressure jet stream (1160 to 1450 psi), high liquid temperature (176°F) and close nozzle distances (4" to 6") from the device surface

### What does IP69K testing mean to you

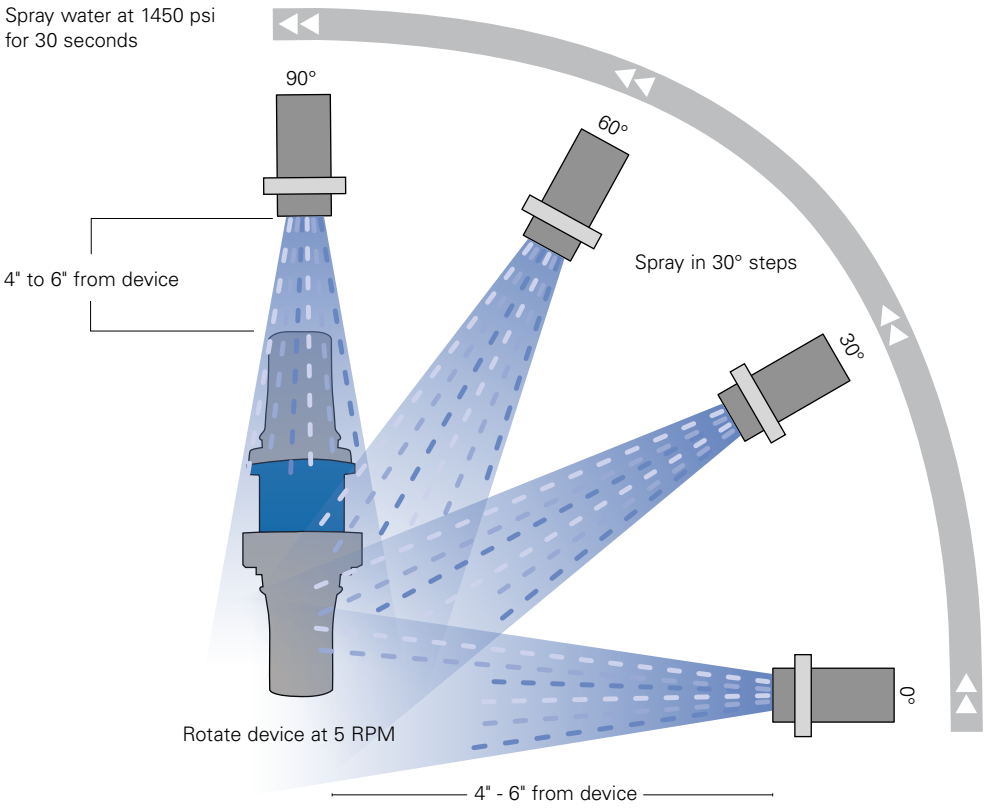
The IP69K rating is designed to tackle high pressure, high temperature washdown applications. The "6" applies to external protection from dust. The "9" signifies protection from close-range high pressure spray downs, and the "K" applies to the high temperature of the water used. Arrow Hart's new pin & sleeve devices are designed to face some of the most severe operating conditions, often in the most challenging environments making them ideal for a wide range of markets, including food and beverage, mining, and industrial facilities.

### How IP69K testing works

To obtain an IP69K protection rating – a strong water jet is directed at the device from 4 directions and to achieve the rating it must not have any harmful effects. A jet nozzle at 0°, 30°, 60° and 90° to the rotating table at 176°F, 4–6 inches away at 1160–1450psi. The test time is 2 minutes.

### IP69K test

Water Temperature = 176°F (80°C)




After testing, water must not be present inside the device

**IP69K *certified***

1. The IP69K standard requires the water pressure to be between 1160-1450 psi, at a rate of about 4 gallons/minute, and at the temperature of 176°F
2. The nozzle from which the water is sprayed is between 4 and 6 inches from device
3. Spray is applied at angles of 0°, 30°, 60°, and 90 for duration of 30 seconds at each angle, while the product is rotated at 5 RPM
4. IP69K ratings mean product is dust tight and protected against effects of high pressure, high temperature liquids

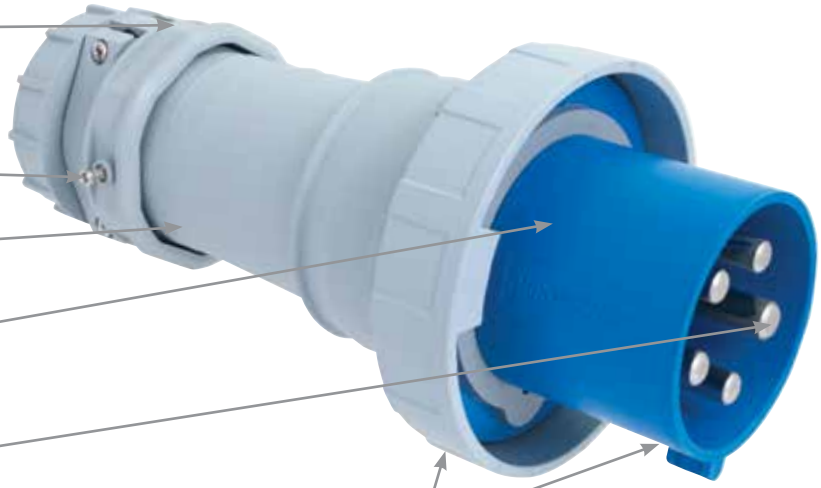
# IP69K pin & sleeve plugs

## The industry's first pin & sleeve devices that are designed to address high pressure, high temperature washdown applications

**IP69K certified**

Arrow Hart's new pin and sleeve devices are unlike other brands - our devices are the industry's first to offer IP69K rated protection. Each device has been carefully engineered to offer reliability, efficiency, and added safety protection in demanding wet locations, particularly where harsh washdowns are a must!

## Pin & sleeve plugs features & benefits



- Mechanical cord clamp with silicone grommet seal and locking screw ensures a positive and watertight strain relief system
- Tri-Combo Cord Grip screws for convenience
- Durable impact resistant thermoplastic body
- Color-coded front housing for easy and accurate identification of voltages
- Oversized grounding pin assures mating only with oversized female grounding sleeve; staggered contact to ensure ground makes first and breaks last
- Engineered thermoplastic material improves cold impact performance for 60A & 100A devices



Nickel plated pins offer long life corrosion protection



Threaded NPT cable entry provides efficient means of attaching flexible conduit or wire mesh grips



Pins fully shrouded for mechanical protection; lockout hole for plugs



Tapered wiring pockets to ease insertion of stranded wire; deep pockets with clear markings keep bare conductors isolated



**Compliances, specifications and availability are subject to change without notice.**

# IP69K pin & sleeve receptacles

## Pin & sleeve receptacles features & benefits

**IP69K certified**

Spring-loaded self-closing cap with silicone gasket protects contacts when not in use. Watertight cap meets IP67 and IP69K protection standards

Rugged materials selected for use in wet locations; provides corrosion resistance

Standard mounting footprints and blind holes provide interchangeability with major brands







Individual Silicone Sealing Grommets with cord diameter range makes for faster, easier assembly



Impact-resistant thermoplastic contact carrier provides superior electrical insulation and V0 flammability rating*

*Does not include 20/30A Inlets



Nickel plated contacts with self-cleaning field-proven pressure bands for smooth pin insertion, low heat rise, corrosion resistance, and quality electrical performance



# How to order from the complete line of pin & sleeve products

## Understanding IEC 309 pin & sleeve device and mechanical interlock catalog numbers

### Pin & sleeve devices

**Pin & sleeve device sample number:**
**AH420P7W**

**AH 4 20 R 7 W**

| # of wires |
|---|
| **3** = 3-wire |
| **4** = 4-wire |
| **5** = 5-wire |

| Amperage |
|---|
| **20** = 20 amps |
| **30** = 30 amps |
| **60** = 60 amps |
| **100** = 100 amps |

| Pin & sleeve devices product type |
|---|
| **P** = Plug |
| **C** = Connector |
| **R** = Receptacle |
| **B** = Inlet |

| Clock position of female grounding contract |
|---|
| **3** = 380V/AC, 50Hz - 440V/AC, 60Hz |
| **4** = 125V/AC |
| **5** = 277V/AC or 3Ø 600V/AC or 3Ø 347/600V/AC |
| **6** = 250V/AC or 380-415V/AC or 220/380-240/415V/AC |
| **7** = 480V/AC or 3Ø 480V/AC or 3ØY 277/480V/AC |
| **9** = 380-415V/AC or 3Ø 250V/AC or 3ØY 120/208V/AC |
| **11** = 440-460V/AC, 60Hz |
| **12** = 125/250V/AC |

**Note:**
Exceptions for pin & sleeve devices:
Not every clock face position available for each pole/amp/device combo.
Consult your Eaton wiring devices representative for details.

### Pin & sleeve mechanical interlock devices

**Pin & sleeve mechanical interlock device sample number:**
**CD360MIF4W**

**CD 3 60 MIF 4 W**

| # of wires |
|---|
| **3** = 3-wire |
| **4** = 4-wire |
| **5** = 5-wire |

| Amperage |
|---|
| **20** = 20 amps |
| **30** = 30 amps |
| **60** = 60 amps |
| **100** = 100 amps |

| Pin & sleeve mechanical interlock product type |
|---|
| **MI** = Mechanical interlock (non-fusible) |
| **MIF** = Mechanical interlock (fusible) |
| **MIB** = Mechanical interlock, fuse option |
| **MICB** = Mechanical interlock, circuit breaker option |

| Clock position of female grounding contract |
|---|
| **3** = 380V/AC, 50Hz - 440V/AC, 60Hz |
| **4** = 125V/AC |
| **5** = 277V/AC or 3Ø 600V/AC or 3Ø 347/600V/AC |
| **6** = 250V/AC or 380-415V/AC or 220/380-240/415V/AC |
| **7** = 480V/AC or 3Ø 480V/AC or 3ØY 277/480V/AC |
| **9** = 380-415V/AC or 3Ø 250V/AC or 3ØY 120/208V/AC |
| **11** = 440-460V/AC, 60Hz |
| **12** = 125/250V/AC |

**Notes:**
Exceptions for mechanical interlock:
HMI available only on 20A.
MIF available only on 30A & 60A
MIB & MICB available only on 20A, 30A & 60A
Not every clock face position available for each pole/amp/device combo.
Consult your Eaton wiring devices representative for details.

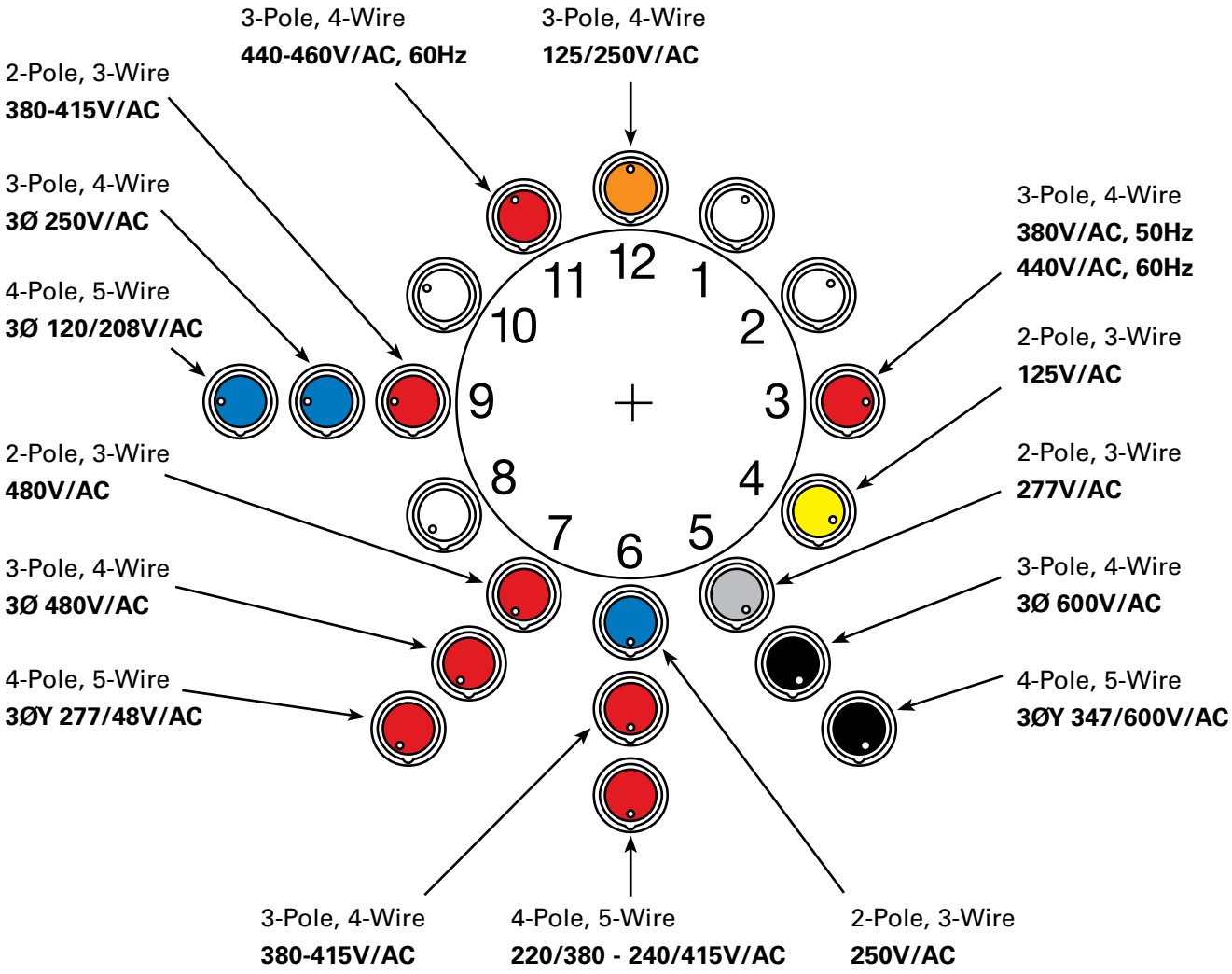

**Compliances, specifications and availability are subject to change without notice.**

# Pin and sleeve configurations

## Understanding pin & sleeve configurations

Arrow Hart's full line of pin & sleeve products meet or exceed the rigorous IEC 309-1 and 309-2 watertight requirements, and as such are intermateable with all other non-hazardous IEC 309 devices.

A "clock face" is used to represent the grounding contact position for all female connectors and receptacles. With the keyway at the bottom, the female grounding contact will appear at one of the twelve "hour" positions. To identify the system's voltage, identify the housing color and hour location of the connector or receptacle grounding outlet.



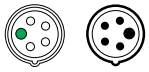

## Examples of pin & sleeve connectors with their corresponding wiring diagrams



**AH560C9W**

4-Pole, 5-Wire
**3Ø 120/208V/AC**

Wiring diagram indicating contact position

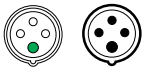




**AH4125C6W**

3-Pole, 4-Wire
**380-415V/AC**

Wiring diagram indicating contact position

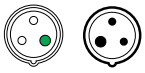




**AH320C4W**

2-Pole, 3-Wire
**125V/AC**

Wiring diagram indicating contact position



# IEC 309 watertight pin & sleeve devices

**Product description**

**North American** 20A, 30A, 60A & 100A for receptacles, plugs, connectors & inlets



Receptacle



Plug



Connector



Inlet



Angled Receptacle

| Rating A | Poles/ wires | V/AC, color coding & configurations | Receptacle catalog no. | Plug catalog no. | Connector catalog no. | Inlet catalog no. | 15° Angled Receptacle catalog no. |
|---|---|---|---|---|---|---|---|
| 20 | 2-P, 3-W | 125 | ☐ AH320R4W | ☐ AH320P4W | ☐ AH320C4W | ☐ AH320B4W | — |
| | | 250 | ☐ AH320R6W | ☐ AH320P6W | ☐ AH320C6W | ☐ AH320B6W | — |
| | | 480 | ☐ AH320R7W | ☐ AH320P7W | ☐ AH320C7W | ☐ AH320B7W | — |
| | 3-P, 4-W | 125/250 | ☐ AH420R12W | ☐ AH420P12W | ☐ AH420C12W | ☐ AH420B12W | — |
| | | 3Ø 250 | ☐ AH420R9W | ☐ AH420P9W | ☐ AH420C9W | ☐ AH420B9W | — |
| | | 3Ø 480 | ☐ AH420R7W | ☐ AH420P7W | ☐ AH420C7W | ☐ AH420B7W | — |
| | | 3Ø 600 | ☐ AH420R5W | ☐ AH420P5W | ☐ AH420C5W | ☐ AH420B5W | — |
| | 4-P, 5-W | 3ØY 120/208 | ☐ AH520R9W | ☐ AH520P9W | ☐ AH520C9W | ☐ AH520B9W | — |
| | | 3ØY 277/480 | ☐ AH520R7W | ☐ AH520P7W | ☐ AH520C7W | ☐ AH520B7W | — |
| | | 3ØY 347/600 | ☐ AH520R5W | ☐ AH520P5W | ☐ AH520C5W | ☐ AH520B5W | — |
| 30 | 2-P, 3-W | 125 | ☐ AH330R4W | ☐ AH330P4W | ☐ AH330C4W | ☐ AH330B4W | — |
| | | 250 | ☐ AH330R6W | ☐ AH330P6W | ☐ AH330C6W | ☐ AH330B6W | — |
| | | 480 | ☐ AH330R7W | ☐ AH330P7W | ☐ AH330C7W | ☐ AH330B7W | — |
| | 3-P, 4-W | 125/250 | ☐ AH430R12W | ☐ AH430P12W | ☐ AH430C12W | ☐ AH430B12W | — |
| | | 3Ø 250 | ☐ AH430R9W | ☐ AH430P9W | ☐ AH430C9W | ☐ AH430B9W | — |
| | | 3Ø 480 | ☐ AH430R7W | ☐ AH430P7W | ☐ AH430C7W | ☐ AH430B7W | — |
| | | 3Ø 600 | ☐ AH430R5W | ☐ AH430P5W | ☐ AH430C5W | ☐ AH430B5W | — |
| | 4-P, 5-W | 3ØY 120/208 | ☐ AH530R9W | ☐ AH530P9W | ☐ AH530C9W | ☐ AH530B9W | — |
| | | 3ØY 277/480 | ☐ AH530R7W | ☐ AH530P7W | ☐ AH530C7W | ☐ AH530B7W | — |
| | | 3ØY 347/600 | ☐ AH530R5W | ☐ AH530P5W | ☐ AH530C5W | ☐ AH530B5W | — |
| 60 | 2-P, 3-W | 125 | ☐ AH360R4W | ☐ AH360P4W | ☐ AH360C4W | ☐ AH360B4W | — |
| | | 250 | ☐ AH360R6W | ☐ AH360P6W | ☐ AH360C6W | ☐ AH360B6W | — |
| | | 480 | ☐ AH360R7W | ☐ AH360P7W | ☐ AH360C7W | ☐ AH360B7W | — |
| | 3-P, 4-W | 125/250 | ☐ AH460R12W | ☐ AH460P12W | ☐ AH460C12W | ☐ AH460B12W | — |
| | | 3Ø 250 | ☐ AH460R9W | ☐ AH460P9W | ☐ AH460C9W | ☐ AH460B9W | — |
| | | 3Ø 480 | ☐ AH460R7W | ☐ AH460P7W | ☐ AH460C7W | ☐ AH460B7W | — |
| | | 3Ø 600 | ☐ AH460R5W | ☐ AH460P5W | ☐ AH460C5W | ☐ AH460B5W | — |
| | 4-P, 5-W | 3ØY 120/208 | ☐ AH560R9W | ☐ AH560P9W | ☐ AH560C9W | ☐ AH560B9W | ☐ AH560R9W-15 |
| | | 3ØY 277/480 | ☐ AH560R7W | ☐ AH560P7W | ☐ AH560C7W | ☐ AH560B7W | — |
| | | 3ØY 347/600 | ☐ AH560R5W | ☐ AH560P5W | ☐ AH560C5W | ☐ AH560B5W | — |
| 100 | 2-P, 3-W | 125 | ☐ AH3100R4W | ☐ AH3100P4W | ☐ AH3100C4W | ☐ AH3100B4W | — |
| | | 250 | ☐ AH3100R6W | ☐ AH3100P6W | ☐ AH3100C6W | ☐ AH3100B6W | — |
| | | 480 | ☐ AH3100R7W | ☐ AH3100P7W | ☐ AH3100C7W | ☐ AH3100B7W | — |
| | 3-P, 4-W | 125/250 | ☐ AH4100R12W | ☐ AH4100P12W | ☐ AH4100C12W | ☐ AH4100B12W | ☐ AH4100R12W-15 |
| | | 3Ø 250 | ☐ AH4100R9W | ☐ AH4100P9W | ☐ AH4100C9W | ☐ AH4100B9W | — |
| | | 3Ø 480 | ☐ AH4100R7W | ☐ AH4100P7W | ☐ AH4100C7W | ☐ AH4100B7W | ☐ AH4100R7W-15 |
| | | 3Ø 600 | ☐ AH4100R5W | ☐ AH4100P5W | ☐ AH4100C5W | ☐ AH4100B5W | — |
| | 4-P, 5-W | 3ØY 120/208 | ☐ AH5100R9W | ☐ AH5100P9W | ☐ AH5100C9W | ☐ AH5100B9W | ☐ AH5100R9W-15 |
| | | 3ØY 277/480 | ☐ AH5100R7W | ☐ AH5100P7W | ☐ AH5100C7W | ☐ AH5100B7W | ☐ AH5100R7W-15 |
| | | 3ØY 347/600 | ☐ AH5100R5W | ☐ AH5100P5W | ☐ AH5100C5W | ☐ AH5100B5W | — |



**Compliances, specifications and availability are subject to change without notice.**

# IEC309 watertight pin & sleeve devices

**Product description**

**International** 16A, 32A, 63A & 125A for receptacles, plugs, connectors & inlets



Receptacle



Plug



Connector



Inlet

| Rating A | Poles/ wires | V/AC, color coding & configurations | Receptacle catalog no. | Plug catalog no. | Connector catalog no. | Inlet catalog no. |
|---|---|---|---|---|---|---|
| 16 | 2-P, 3-W | 110-130V | ☐ AH316R4W | ☐ AH316P4W | ☐ AH316C4W | ☐ AH316B4W |
| | | 220-240V | ☐ AH316R6W | ☐ AH316P6W | ☐ AH316C6W | ☐ AH316B6W |
| | 3-P, 4-W | 380-415V | ☐ AH416R6W | ☐ AH416P6W | ☐ AH416C6W | ☐ AH416B6W |
| | 4-P, 5-W | 220/380 240/415 | ☐ AH516R6W | ☐ AH516P6W | ☐ AH516C6W | ☐ AH516B6W |
| 32 | 2-P, 3-W | 110-130V | ☐ AH332R4W | ☐ AH332P4W | ☐ AH332C4W | ☐ AH332B4W |
| | | 220-240V | ☐ AH332R6W | ☐ AH332P6W | ☐ AH332C6W | ☐ AH332B6W |
| | 3-P, 4-W | 380/440V | ☐ AH432R3W | ☐ AH432P3W | ☐ AH432C3W | ☐ AH432B3W |
| | | 380-415V | ☐ AH432R6W | ☐ AH432P6W | ☐ AH432C6W | ☐ AH432B6W |
| | 4-P, 5-W | 220/380 240/415 | ☐ AH532R6W | ☐ AH532P6W | ☐ AH532C6W | ☐ AH532B6W |
| 63 | 2-P, 3-W | 220-240V | ☐ AH363R6W | ☐ AH363P6W | ☐ AH363C6W | ☐ AH363B6W |
| | 3-P, 4-W | 380-415V | ☐ AH463R6W | ☐ AH463P6W | ☐ AH463C6W | ☐ AH463B6W |
| | 4-P, 5-W | 220/380 240/415 | ☐ AH563R6W | ☐ AH563P6W | ☐ AH563C6W | ☐ AH563B6W |
| 125 | 2-P, 3-W | 220-240V | ☐ AH3125R6W | ☐ AH3125P6W | ☐ AH3125C6W | ☐ AH3125B6W |
| | 3-P, 4-W | 380-415V | ☐ AH4125R6W | ☐ AH4125P6W | ☐ AH4125C6W | ☐ AH4125B6W |
| | 4-P, 5-W | 220/380 240/415 | ☐ AH5125R6W | ☐ AH5125P6W | ☐ AH5125C6W | ☐ AH5125B6W |

# Pin & sleeve device accessories

## Product description

16/20A, 30/32A, 60/63A & 100/125A for receptacles, plugs, connectors & inlets



AHBB30

### Cast aluminum back boxes

| Amps | Description | Catalog no. |
|---|---|---|
| 16/20 & 30/32 | For pin & sleeve receptacles & inlets, 15° angled face, 1" (25.4mm) hub footprint: 3.125" x 3.125" (79.4mm x 79.4mm) | ☐ AHBB30__ |
| 60/63 | For pin & sleeve receptacles, 15° angled face, 1.5" (38.1mm) hub footprint: 3.875" x 3.875" (98.4 x 98.4mm) | ☐ AHBB60__ |
| 100/125 | For pin & sleeve receptacles & inlets, 15° angled face, 2" (50.8mm) hub footprint: 4.870" x 4.870" (123.7 x 123.7mm) | ☐ AHBB100__ |



AHBB60

### Cast aluminum feed through

| Amps | Description | Catalog no. |
|---|---|---|
| 5.0 total | For pin & sleeve receptacles & inlets, 1" (25.4mm) hub footprint: 3.125" x 3.125" (79.4mm x 79.4mm) | ☐ AHFTBB1__ |



AHBB100

### Plug & inlet closure caps

| Amps | Description | Catalog no. |
|---|---|---|
| 16/20 | For 2-pole, 3-wire pin & sleeve devices | ☐ CDCP320__ |
| | For 3-pole, 4-wire pin & sleeve devices | ☐ CDCP420__ |
| | For 4-pole, 5-wire pin & sleeve devices | ☐ CDCP520__ |
| 30/20 | For 2-pole, 3-wire and 3-pole, 4-wire pin & sleeve devices | ☐ CDCP3430 |
| | | ☐ CDCP530 |
| 60/63 | For 2-pole, 3-wire, 3-pole, 4-wire and 4-pole, 5-wire pin & sleeve devices | ☐ CDCP60 |
| 100/125 | For 2-pole, 3-wire, 3-pole, 4-wire and 4-pole, 5-wire pin & sleeve devices | ☐ CDCP100 |



AHFTBB1

### Pin & sleeve device accessories

| Rating amps | Wires | Plug locking ring catalog no. | Inlet locking ring catalog no. | Connector/receptacle catalog no. | Cord clamp assembly catalog no. |
|---|---|---|---|---|---|
| 16/20 | 3 | ☐ AHLRP320 | ☐ AHLRI320 | ☐ AHCA320 | ☐ AHCC3420 |
| | 4 | ☐ AHLRP420 | ☐ AHLRI420 | ☐ AHCA420 | ☐ AHCC3420 |
| | 5 | ☐ AHLRP520 | ☐ AHLRI520 | ☐ AHCA520 | ☐ AHCC520 |
| 30/20 | 3 & 4 | ☐ AHLRP3430 | ☐ AHLRI3430 | ☐ AHCA3430 | ☐ AHCC3430 |
| | 5 | ☐ AHLRP530 | ☐ AHLRI530 | ☐ AHCA530 | ☐ AHCC530 |
| 60/63 | All | ☐ AHLRP60 | ☐ AHLRI60 | ☐ AHCA60 | ☐ AHCC60 |
| 100/125 | All | ☐ AHLRP100 | ☐ AHLRI100 | ☐ AHCA100 | ☐ AHCC100 |



CDCP100



Connector/ receptacle cover assembly



Cord clamp assembly



Inlet locking ring



Plug locking ring



**Compliances, specifications and availability are subject to change without notice.**

# Watertight pin & sleeve mechanical interlocks

## Combined pin & sleeve receptacle and disconnect switch

Pin & sleeve mechanical interlocks provide a separate means of disconnect for motor leads. For extra safety and compliance, these interlocks prevent the plug from being engaged or disengaged under load.

## Watertight pin & sleeve mechanical interlocks features & benefits

Compact design fits in the web of an I-beam, the smallest footprint in the industry

Switch handles are designed to comply with OSHA lockout/ tagout requirements

Unique locking mechanism ensures that switch can only be energized when plug is fully mated






Rugged Valox® housing provides superior corrosion and impact resistance

Hidden hinge system allows full access to internal switch terminations and provides a clean solution in 4x environments

Valox® is a registered trademark of General Electric, USA.





Poured-in seamless gasket and tongue and groove design yields the ultimate seal against moisture and contamination



Dual mounting capability using corner mounting holes or supplied mounting feet



Blank enclosures without pre-drilled entries allow maximum installation flexibility; watertight hub and double grounding blocks provided



Available with option fuses and/or circuit breakers for additional circuit protection

# IEC 309 watertight pin & sleeve mechanical interlocks



Horizontal Mechanical Interlock, Non-Fusible



Mechanical Interlock, Fusible or Non-Fusible

## Product Description

20A and 30A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Rating A | Poles/ wires | HP rating Std/Max* | Receptacle catalog no. | Description | Catalog no. |
|---|---|---|---|---|---|
| 20 | 2-P, 3-W | 125 | 1 | Horizontal, Non-Fusible | ☐ CD320HMI4W |
| | | 250 | 2.5 | Horizontal, Non-Fusible | ☐ CD320HMI6W |
| | | 480 | 5 | Horizontal, Non-Fusible | ☐ CD320HMI7W |
| | 3-P, 4-W | 125/250 | 1; 2.5 | Horizontal, Non-Fusible | ☐ CD420HMI12W |
| | | | 0.5; 1 | Fused, w/ Access Panel | ☐ CD420MIB12W |
| | | | 0.5; 1 | Circuit Breaker, w/ Access Panel | ☐ CD420MICB12W |
| | | | 0.5; 1 | Fusible | ☐ CD420MIF12W |
| | | 3Ø 250 | 5 | Horizontal, Non-Fusible | ☐ CD420HMI9W |
| | | | 5 | Fused, w/ Access Panel | ☐ CD420MIB9W |
| | | | 5 | Circuit Breaker, w/ Access Panel | ☐ CD420MICB9W |
| | | | 5 | Fusible | ☐ CD420MIF9W |
| | | 3Ø 480 | 10 | Horizontal, Non-Fusible | ☐ CD420HMI7W |
| | | | 10 | Fused, w/ Access Panel | ☐ CD420MIB7W |
| | | | 10 | Circuit Breaker, w/ Access Panel | ☐ CD420MICB7W |
| | | | 10 | Fusible | ☐ CD420MIF7W |
| | | 3Ø 600 | 10 | Horizontal, Non-Fusible | ☐ CD420HMI5W |
| | 4-P, 5-W | 3ØY 120/208 | 5 | Horizontal, Non-Fusible | ☐ CD520HMI9W |
| 30 | 2-P, 3-W | 125 | 2 | Non-Fusible | ☐ CD330MI4W |
| | | 250 | 2 | Non-Fusible | ☐ CD330MI6W |
| | | | 2.5/5 | Fusible | ☐ CD330MIF6W |
| | | 480 | 10 | Non-Fusible | ☐ CD330MI7W |
| | 3-P, 4-W | 125/250 | 2; 5 | Non-Fusible | ☐ CD430MI12W |
| | | | 0.5; 1.5/2; 5 | Fusible | ☐ CD430MIF12W |
| | | | 1; 3 | Fused, w/ Access Panel | ☐ CD430MIB12W |
| | | | 1; 3 | Circuit Breaker, w/ Access Panel | ☐ CD430MICB12W |
| | | 3Ø 250 | 10 | Non-Fusible | ☐ CD430MI9W |
| | | | 3/7.5 | Fusible | ☐ CD430MIF9W |
| | | | 7.5 | Fused, w/ Access Panel | ☐ CD430MIB9W |
| | | | 7.5 | Circuit Breaker, w/ Access Panel | ☐ CD430MICB9W |
| | | 3Ø 480 | 20 | Non-Fusible | ☐ CD430MI7W |
| | | | 5/15 | Fusible | ☐ CD430MIF7W |
| | | | 15 | Fused, w/ Access Panel | ☐ CD430MIB7W |
| | | | 15 | Circuit Breaker, w/ Access Panel | ☐ CD430MICB7W |
| | | 3Ø 600 | 20 | Non-Fusible | ☐ CD430MI5W |
| | | | 7.5/20 | Fusible | ☐ CD430MIF5W |
| | 4-P, 5-W | 3ØY 120/208 | 7.5 | Non-Fusible | ☐ CD530MI9W |
| | | | 7.5 | Fused, w/ Access Panel | ☐ CD530MIB9W |
| | | | 7.5 | Circuit Breaker, w/ Access Panel | ☐ CD530MICB9W |
| | | 3ØY 277/480 | 20 | Non-Fusible | ☐ CD530MI7W |
| | | | 15 | Fused, w/ Access Panel | ☐ CD530MIB7W |
| | | | 15 | Circuit Breaker, w/ Access Panel | ☐ CD530MICB7W |
| | | 3ØY 347/600 | 20 | Non-Fusible | ☐ CD530MI5W |
| | | | 15 | Fused, w/ Access Panel | ☐ CD530MIB5W |
| | | | 15 | Circuit Breaker, w/ Access Panel | ☐ CD530MICB5W |

**Note:** *See page 17 for horse power rating.



**Compliances, specifications and availability are subject to change without notice.**

# IEC 309 watertight pin & sleeve mechanical interlocks



Mechanical interlock, fuse or circuit breaker with access panel

## Product Description

60A and 100A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Rating A | Poles/ wires | V/AC, color coding & configurations | HP rating Std/Max* | Description | Catalog no. |
|---|---|---|---|---|---|
| 60 | 2-P, 3-W | 250 | 10 | Non-fusible | ☐ CD360MI6W |
| | | | 3/10 | Fusible | ☐ CD360MIF6W |
| | | 480 | 20 | Non-fusible | ☐ CD360MI7W |
| | 3-P, 4-W | 125/250 | 3; 10 | Non-fusible | ☐ CD460MI12W |
| | | | 1.5; 3/3; 10 | Fusible | ☐ CD460MIF12W |
| | | | 2.5; 7.5 | Fused, w/ access panel | ☐ CD460MIB12W |
| | | | 2.5; 7.5 | Circuit breaker, w/ access panel | ☐ CD460MICB12W |
| | | 3Ø 250 | 20 | Non-fusible | ☐ CD460MI9W |
| | | | 7.5/15 | Fusible | ☐ CD460MIF9W |
| | | | 15 | Fused, w/ access panel | ☐ CD460MIB9W |
| | | | 15 | Circuit breaker, w/ access panel | ☐ CD460MICB9W |
| | | 3Ø 480 | 40 | Non-fusible | ☐ CD460MI7W |
| | | | 15/30 | Fusible | ☐ CD460MIF7W |
| | | | 30 | Fused, w/ access panel | ☐ CD460MIB7W |
| | | | 30 | Circuit breaker, w/ access panel | ☐ CD460MICB7W |
| | | 3Ø 600 | 50 | Non-fusible | ☐ CD460MI5W |
| | | | 15/30 | Fusible | ☐ CD460MIF5W |
| | | | 35 | Fused, w/ access panel | ☐ CD460MIB5W |
| | | | 35 | Circuit breaker, w/ access panel | ☐ CD460MICB5W |
| | 4-P, 5-W | 3ØY 120/208 | 20 | Non-fusible | ☐ CD560MI9W |
| | | | 7.5/15 | Fusible | ☐ CD560MIF9W |
| | | | 15 | Fused, w/ access panel | ☐ CD560MIB9W |
| | | | 15 | Circuit breaker, w/ access panel | ☐ CD560MICB9W |
| | | 3ØY 277/480 | 40 | Non-fusible | ☐ CD560MI7W |
| | | | 15/30 | Fusible | ☐ CD560MIF7W |
| | | | 30 | Fused, w/ access panel | ☐ CD560MIB7W |
| | | | 30 | Circuit breaker, w/ access panel | ☐ CD560MICB7W |
| | | 3ØY 347/600 | 50 | Non-fusible | ☐ CD560MI5W |
| | | | 15/50 | Fusible | ☐ CD560MIF5W |
| 100 | 2-P, 3-W | 125 | 15 | Non-fusible | ☐ CD3100MI4W |
| | | 250 | 15 | Non-fusible | ☐ CD3100MI6W |
| | | 480 | 30 | Non-fusible | ☐ CD3100MI7W |
| | 3-P, 4-W | 125/250 | 5; 15 | Non-fusible | ☐ CD4100MI12W |
| | | 3Ø 250 | 25 | Non-fusible | ☐ CD4100MI9W |
| | | 3Ø 480 | 50 | Non-fusible | ☐ CD4100MI7W |
| | | 3Ø 600 | 50 | Non-fusible | ☐ CD4100MI5W |
| | 4-P, 5-W | 3ØY 120/208 | 25 | Non-fusible | ☐ CD5100MI9W |
| | | 3ØY 277/480 | 50 | Non-fusible | ☐ CD5100MI7W |
| | | 3ØY 347/600 | 50 | Non-fusible | ☐ CD5100MI5W |

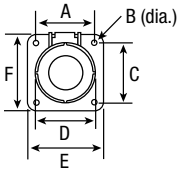
**Note:** *See page 17 for horse power rating.

# Dimensional information

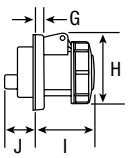
## Table 1. 16/20A & 30/32A Receptacles

| Family | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **16/20A 2-P, 3-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 2.98" (7.57cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (.8cm) | 3.15" (8cm) | 2.15" (5.47cm) | 1.25" (3.18cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 1.69" (4.29cm) |
| **16/20A 3-P, 4-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.28" (8.33cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (.8cm) | 3.38" (8.58cm) | 2.18" (5.54cm) | 1.25" (3.18cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.01" (5.12cm) |
| **16/20A 4-P, 5-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.66" (9.3cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (.8cm) | 3.66" (9.3cm) | 2.27" (5.77cm) | 1.25" (3.18cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.09" (5.3cm) |
| **30/32A 2-P, 3-W & 3-P, 4-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.97" (10cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (.8cm) | 3.91" (9.92cm) | 2.64" (6.7cm) | 1.57" (4.0cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.24" (5.69cm) |
| **30/32A 4-P, 5-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 4.22" (10.7cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (.8cm) | 4.13" (10.5cm) | 2.64" (6.7cm) | 1.57" (4.0cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.47" (6.27cm) |

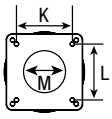
16/20A Receptacle, Front View




16/20A Receptacle, Side View

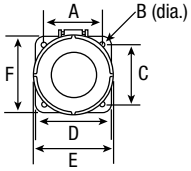



16/20A Receptacle, Back View

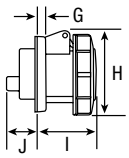



K & L = Blind Holes*

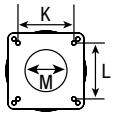
30/32A Receptacle, Front View




30/32A Receptacle, Side View




30/32A Receptacle, Back View

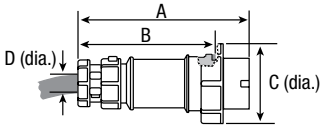



K & L = Blind Holes*

## Table 2. 16/20A & 30/32A Plugs

| Family | A | B | C | D (cord dia.) | Threaded Entry (NPT) |
|---|---|---|---|---|---|
| **16/20A 2-P, 3-W** | 6.08" (15.44cm) | 4.65" (11.8cm) | 2.98" (7.57cm) | 0.333-0.775" (0.85-1.97cm) | 0.75" (1.91cm) |
| **16/20A 3-P, 4-W** | 6.14" (15.6cm) | 4.70" (11.94cm) | 3.28" (8.33cm) | 0.333-0.775" (0.85-1.97cm) | 0.75" (1.91cm) |
| **16/20A 4-P, 5-W** | 6.24" (15.85cm) | 4.81" (12.22cm) | 4.18" (10.6cm) | 0.433-0.84" (1.10-2.13cm) | 1.0" (2.54cm) |
| **30/32A 2-P, 3-W & 3-P, 4-W** | 7.32" (18.6cm) | 5.53" (14.05cm) | 3.85" (9.78cm) | 0.433-0.985" (1.10-2.5cm) | 1.0" (2.54cm) |
| **30/32A 4-P, 5-W** | 7.46" (18.95cm) | 5.67" (14.4cm) | 4.17" (10.6cm) | 0.433-1.15" (1.10-2.92cm) | 1.25" (3.18cm) |

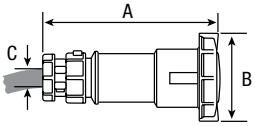
16/20A & 30/32A Plugs, Side View



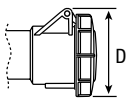

## Table 3. 16/20A & 30/32A Connectors

| Family | A | B | C (cord dia.) | D | Threaded Entry (NPT) |
|---|---|---|---|---|---|
| **16/20A 2-P, 3-W** | 6.91" (17.56cm) | 2.98" (7.57cm) | 0.333-0.775" (0.85-1.97cm) | 3.13" (7.96cm) | 0.75" (1.91cm) |
| **16/20A 3-P, 4-W** | 6.89" (17.49cm) | 3.28" (8.33cm) | 0.333-0.775" (0.85-1.97cm) | 3.37" (8.56cm) | 0.75" (1.91cm) |
| **16/20A 4-P, 5-W** | 7.19" (18.27cm) | 3.66" (8.33cm) | 0.433-0.84" (1.10-2.13cm) | 3.66" (9.3cm) | 1.0" (2.54cm) |
| **30/32A 2-P, 3-W & 3-P, 4-W** | 8.55" (22.72cm) | 3.97" (10.1cm) | 0.433-0.985" (1.10-2.5cm) | 3.89" (9.89cm) | 1.0" (2.54cm) |
| **30/32A 4-P, 5-W** | 8.74" (22.19cm) | 4.22" (10.7cm) | 0.433-1.15" (1.10-2.92cm) | 4.13" (10.49cm) | 1.25" (3.18cm) |

16/20A & 30/32A Connectors, Underside View



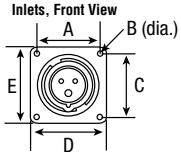

16/20A & 30/32A Connectors, Side View



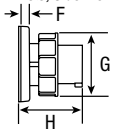

## Table 4. 16/20A & 30/32A Inlets

| Family | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **16/20A 2-P, 3-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (0.8cm) | 2.76" (7cm) | 2.75" (6.99cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 1.52" (3.86cm) |
| **16/20A 3-P, 4-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (0.8cm) | 3.06" (7.77cm) | 2.75" (6.99cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 1.74" (4.42cm) |
| **16/20A 4-P, 5-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (0.8cm) | 3.45" (8.76cm) | 2.75" (6.99cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 1.96" (4.98cm) |
| **30/32A 2-P, 3-W & 3-P, 4-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (0.8cm) | 3.68" (9.35cm) | 3.4" (8.64cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.0" (5.08cm) |
| **30/32A 4-P, 5-W** | 3.125" (7.94cm) | 0.21" (0.54cm) | 3.125" (7.94cm) | 3.75" (9.52cm) | 3.75" (9.52cm) | 0.315" (0.8cm) | 3.94" (10cm) | 3.4" (8.64cm) | 2.74" (6.96cm) | 2.74" (6.96cm) | 2.22" (5.64cm) |

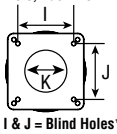
16/20A & 30/32A Inlets, Front View




16/20A & 30/32A Inlets, Side View




16/20A & 30/32A Inlets, Back View




I & J = Blind Holes*



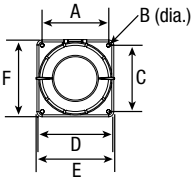
**Compliances, specifications and availability are subject to change without notice.**

# Dimensional information

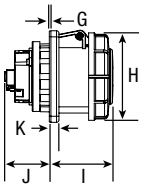
## Table 5. 60/63A & 100/125A Receptacles

| Family | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60/63 Amp** | 3.88" (9.8cm) | 0.21" (0.54cm) | 3.88" (9.8cm) | 4.5" (11.4cm) | 4.6" (11.7cm) | 4.5" (11.4cm) | 0.079" (0.2cm) | 4.42" (11.2cm) | 3.02" (7.68cm) | 2.3" (5.8cm) | 0.39" (1cm) | 3.03" (7.70cm) | 3.35" (8.51cm) | 3.35" (8.5cm) |
| **100/125 Amp** | 4.87" (12.4cm) | 0.21" (0.54cm) | 4.87" (12.4cm) | 5.5" (14cm) | 5.11" (13cm) | 5.5" (14cm) | 0.12" (0.3cm) | 4.86" (12.3cm) | 4.20" (10.7cm) | 1.93" (4.9cm) | 0.47" (1.2cm) | 4.10" (10.4cm) | 4.10" (10.4cm) | 4.57" (11.6cm) |

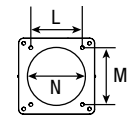
**60/63A Receptacle, Front View**




**60/63A Receptacle, Side View**

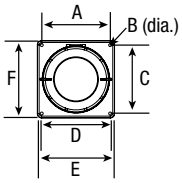



**60/63A Receptacle, Back View**

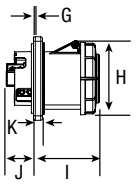



L & M = Blind Holes*

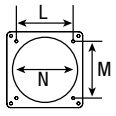
**100/125A Receptacle, Front View**




**100/125A Receptacle, Side View**




**100/125A Receptacle, Back View**

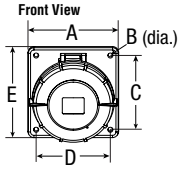



L & M = Blind Holes*

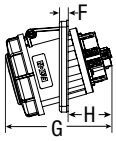
## Table 6. 60A & 100A Angled Receptacles

| Family | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| **60 Amp** | 4.69" (119.2mm) | 0.21" (5.3mm) | 3.87" (98.4mm) | 3.87" (98.4mm) | 4.69" (119.2mm) | .45" (11.5mm) | 5.49" (139.5mm) | 2.26" (57.3mm) | 3.35" (85.1mm) | 3.03" (77mm) |
| **100 Amp** | 5.5" (139.6mm) | 0.21" (5.3mm) | 4.87" (123.7mm) | 4.87" (123.7mm) | 5.5" (139.6mm) | .55" (14.0mm) | 6.35" (161.3mm) | 2.85" (72.4mm) | 3.54" (90.0mm) | 3.54" (90.0mm) |

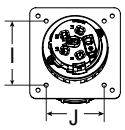
**60A Angled Receptacle, Front View**




**60A Angled Receptacle, Side View**

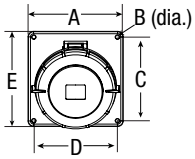



**60A Angled Receptacle, Back View**

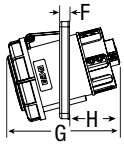



I & J = Blind Holes*

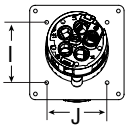
**100A Angled Receptacle, Front View**




**100A Angled Receptacle, Side View**




**100A Angled Receptacle, Back View**




I & J = Blind Holes*

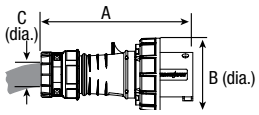
## Table 7. 60/63A & 100/125A Plugs

| Family | A | B | C (cord dia.) | Threaded Entry (NPT) |
|---|---|---|---|---|
| **60/63 Amp** | 9.26" (23.52cm) | 4.45" (11.29cm) | 0.66-1.50" (1.68-3.81cm) | 1.5" (3.81cm) |
| **100/125 Amp** | 11.16" (28.35cm) | 5.17" (13.14cm) | 0.97-1.94" (2.46-5.00cm) | 2.0" (5.08cm) |

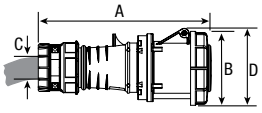
## Table 8. 60/63A & 100/125A Connectors

| Family | A | B | C (cord dia.) | D | Threaded Entry (NPT) |
|---|---|---|---|---|---|
| **60/63 Amp** | 10" (25.39cm) | 4.29" (10.9cm) | 0.66-1.5" (1.68-3.81cm) | 4.43" (11.25cm) | 1.5" (3.81cm) |
| **100/125 Amp** | 11.83" (30.04cm) | 4.76" (12.1cm) | 0.97-1.94" (2.46-4.93cm) | 4.86" (12.34cm) | 2.0" (5.08cm) |

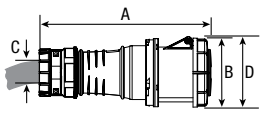
**60/63A & 100/125A Plugs, Side View**




**60/63A Connector**



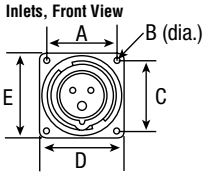

**100/125A Connector**



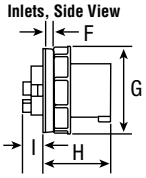

## Table 9. 60/63A & 100/125A Inlets

| Family | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **60/63 Amp** | 3.875" (9.84 cm) | 0.21" (0.54cm) | 3.88" (9.84 cm) | 4.5" (11.4 cm) | 4.5" (11.4 cm) | 0.39" (1cm) | 4.45" (11.30 cm) | 3.25" (8.26cm) | 1.52" (3.87 cm) | 3.88" (9.84 cm) | 3.88" (9.84 cm) | 2.88" (7.32 cm) | 3.54" (8.99 cm) | 3.54" (8.99 cm) |
| **100/125 Amp** | 4.87" (12.4cm) | 0.21" (0.54 cm) | 4.87" (12.4 cm) | 5.5" (14cm) | 5.5" (14cm) | 0.47" (1.2 cm) | 5.17" (13.1cm) | 4" (10.2 cm) | 1.38" (3.51 cm) | 4.87" (12.4 cm) | 4.87" (12.4 cm) | 3.66" (9.3 cm) | 4.10" (10.41 cm) | 4.10" (10.41 cm) |

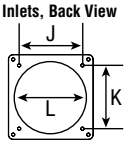
**60/63A & 100/125A Inlets, Front View**




**60/63A & 100/125A Inlets, Side View**




**60/63A & 100/125A Inlets, Back View**

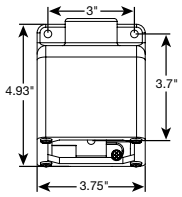



J & K = Blind Holes*

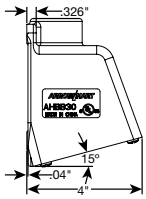
# Dimensional information

## Table 10. 20/23A & 30/32A, 60/63A, 100/125A Back Boxes

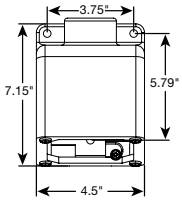
**20/23A & 30/32A Back Box, Front View**



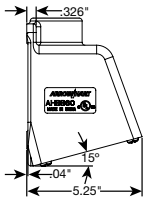

**20/23A & 30/32A Back Box, Side View**



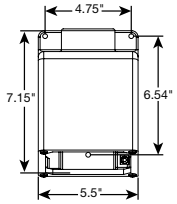

**60/63A Back Box Front View**



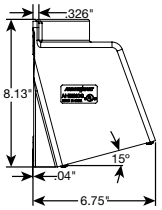

**60/63A Back Box Side View**




**100/125A Back Box Front View**



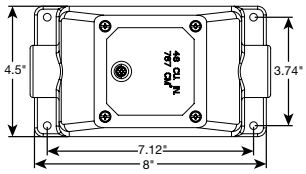

**100/125A Back Box Side View**



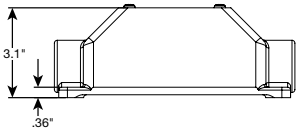

*Drawings not to scale

## Table 11. 20/23A & 30/32A Feed Through

**20/23A & 30/32A Feed Through, Front View**



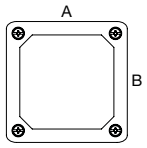

**20/23A & 30/32A Feed Through, Side View**




*Drawings not to scale

**Mounting Holes for Back Boxes & Feed Through**

| Family | A | B |
|---|---|---|
| **16/20A & 30/32A** | 3.125" (79.4mm) | 3.125" (79.4mm) |
| **60/63A** | 3.875" (98.4mm) | 3.875" (98.4mm) |
| **100/125A** | 4.870" (123.7mm) | 4.870" (123.7mm) |
| **Feed Through** | 3.125" (79.4mm) | 3.125" (79.4mm) |

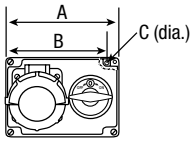



#10-32 Tapped Holes

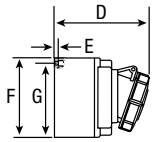
## Table 12. 20A Non-Fusible Mechanical Interlocks

| Family | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| **20 Amp 2-P, 3-W** | 6.70" (17.02cm) | 5.35" (13.59cm) | 0.24" (0.61cm) | 5.35" (13.59cm) | 0.24" (0.61cm) | 4.65" (11.81cm) | 4.10" (10.41cm) |
| **20 Amp 3-P, 4-W** | 6.70" (17.02cm) | 5.35" (13.59cm) | 0.24" (0.61cm) | 5.47" (13.89cm) | 0.24" (0.61cm) | 4.65" (11.81cm) | 4.10" (10.41cm) |
| **20 Amp 4-P, 5-W** | 6.70" (17.02cm) | 5.35" (13.59cm) | 0.24" (0.61cm) | 5.63" (14.30cm) | 0.24" (0.61cm) | 4.65" (11.81cm) | 4.10" (10.41cm) |

**20A Interlock, Front View**



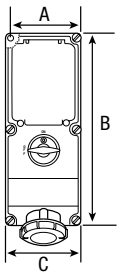

**20A Interlock, Side View**



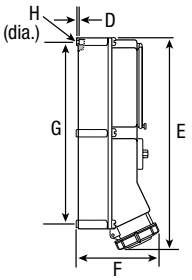

## Table 13. 20A Fuse or Circuit Breaker Option Mechanical Interlocks

| Family | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **20 Amp 3-P, 4-W** | 4.59" (11.66cm) | 14.33" (36.40cm) | 5.28" (13.41cm) | 0.32" (0.81cm) | 15.37" (39.04cm) | 6.12" (15.54cm) | 13.66" (34.70cm) | 0.25" (0.64cm) |

**20A & 30A Interlock, Front View**




**20A & 30A Interlock, Side View**

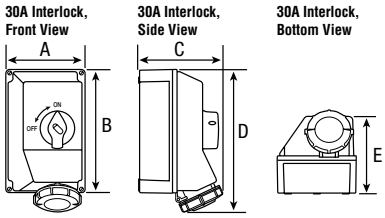





**Compliances, specifications and availability are subject to change without notice.**

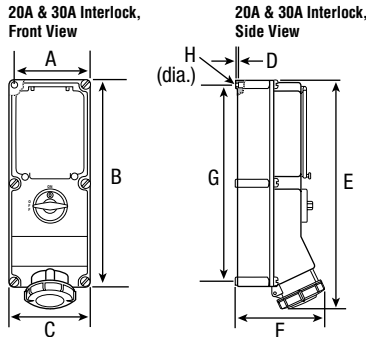
# Dimensional information

## Table 14. 30A Non-Fusible & Fusible Mechanical Interlocks



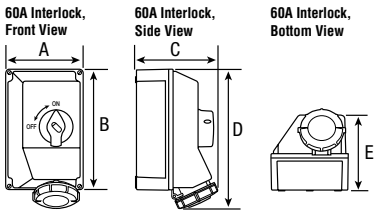

| Family | A | B | C | D | E | Hub Size |
|---|---|---|---|---|---|---|
| **30 Amp 2-P, 3-W** | 6.56" (16.66cm) | 10.30" (26.16cm) | 6.69" (16.99cm) | 12.00" (30.48cm) | 6.44" (16.36cm) | 1" (2.54cm) |
| **30 Amp 3-P, 4-W** | 6.56" (16.66cm) | 10.30" (26.16cm) | 6.69" (16.99cm) | 12.00" (30.48cm) | 6.44" (16.36cm) | 1" (2.54cm) |
| **30 Amp 4-P, 5-W** | 6.56" (16.66cm) | 10.30" (26.16cm) | 6.69" (16.99cm) | 12.00" (30.48cm) | 6.44" (16.36cm) | 1" (2.54cm) |

## Table 15. 30A Fuse or Circuit Breaker Option Mechanical Interlocks



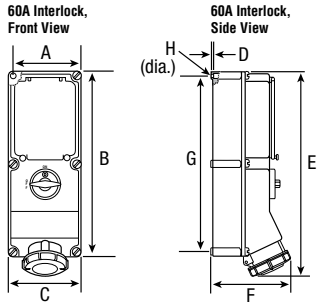

| Family | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **30 Amp 3-P, 4-W** | 4.59" (11.66cm) | 14.33" (36.40cm) | 5.28" (13.41cm) | 0.32" (0.81cm) | 15.37" (39.04cm) | 6.12" (15.54cm) | 13.66" (34.70cm) | 0.25" (0.64cm) |
| **30 Amp 4-P, 5-W** | 4.59" (11.66cm) | 14.33" (36.40cm) | 5.28" (13.41cm) | 0.32" (0.81cm) | 15.37" (39.04cm) | 6.12" (15.54cm) | 13.66" (34.70cm) | 0.25" (0.64cm) |

## Table 16. 60A Non-Fusible & Fusible Mechanical Interlocks



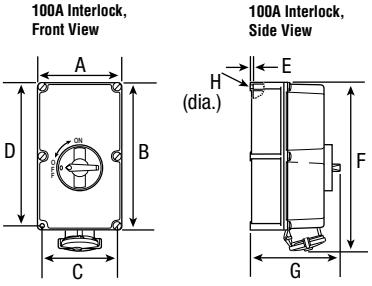

| Family | A | B | C | D | E | Hub Size |
|---|---|---|---|---|---|---|
| **60 Amp 2-P, 3-W** | 7.00" (17.78cm) | 13.00" (33.02cm) | 9.25" (23.50cm) | 14.62" (37.13cm) | 8.38" (37.13cm) | 1 1/4" (3.18cm) |
| **60 Amp 3-P, 4-W** | 7.00" (17.78cm) | 13.00" (33.02cm) | 9.25" (23.50cm) | 14.62" (37.13cm) | 8.38" (37.13cm) | 1 1/4" (3.18cm) |
| **60 Amp 4-P, 5-W** | 7.00" (17.78cm) | 13.00" (33.02cm) | 9.25" (23.50cm) | 14.62" (37.13cm) | 8.38" (37.13cm) | 1 1/4" (3.18cm) |

## Table 17. 60A Fuse or Circuit Breaker Option Mechanical Interlocks




| Family | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **60 Amp 3-P, 4-W** | 6.25" (15.88cm) | 18.11" (46.00cm) | 7.09" (18.01cm) | 0.32" (0.81cm) | 19.56" (49.68cm) | 7.56" (19.20cm) | 17.32" (43.99cm) | 0.32" (0.81cm) |
| **60 Amp 4-P, 5-W** | 6.25" (15.88cm) | 18.11" (46.00cm) | 7.09" (18.01cm) | 0.32" (0.81cm) | 19.56" (49.68cm) | 7.56" (19.20cm) | 17.32" (43.99cm) | 0.32" (0.81cm) |

## Table 18. 100A Non-Fusible Mechanical Interlocks




| Family | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **100 Amp 2-P, 3-W** | 10.25" (26.04cm) | 18.13" (46.05cm) | 9.25" (23.50cm) | 17.06" (43.33cm) | 0.38" (0.97cm) | 20.69" (52.55cm) | 11.13" (28.27cm) | 0.24" (0.11cm) |
| **100 Amp 3-P, 4-W** | 10.25" (26.04cm) | 18.13" (46.05cm) | 9.25" (23.50cm) | 17.06" (43.33cm) | 0.38" (0.97cm) | 20.69" (52.55cm) | 11.13" (28.27cm) | 0.24" (0.11cm) |
| **100 Amp 4-P, 5-W** | 10.25" (26.04cm) | 18.13" (46.05cm) | 9.25" (23.50cm) | 17.06" (43.33cm) | 0.38" (0.97cm) | 20.69" (52.55cm) | 11.13" (28.27cm) | 0.24" (0.11cm) |

# Horsepower rating

## Pin & Sleeve HP Rating Devices

| Catalog No. | Type | Voltage | HP Rating High voltage |
|---|---|---|---|
| **AH420B5W** | Inlet | 3Ø 600V | 7 1/2 |
| **AH420B7W** | Inlet | 3Ø 480V | 5 |
| **AH420B9W** | Inlet | 3Ø 250V | 2 |
| **AH420C5W** | Connector | 3Ø 600V | 7 1/2 |
| **AH420C7W** | Connector | 3Ø 480V | 5 |
| **AH420C9W** | Connector | 3Ø 250V | 2 |
| **AH420P5W** | Plug | 3Ø 600V | 7 1/2 |
| **AH420P7W** | Plug | 3Ø 480V | 5 |
| **AH420P9W** | Plug | 3Ø 250V | 2 |
| **AH420R5W** | Receptacle | 3Ø 600V | 7 1/2 |
| **AH420R7W** | Receptacle | 3Ø 480V | 5 |
| **AH420R9W** | Receptacle | 3Ø 250V | 2 |
| **AH520B5W** | Inlet | 347/600 3ØY | 7 1/2 |
| **AH520B7W** | Inlet | 277/480 3ØY | 5 |
| **AH520B9W** | Inlet | 120/208 3ØY | 1 1/2 |
| **AH520C5W** | Connector | 347/600 3ØY | 7 1/2 |
| **AH520C7W** | Connector | 277/480 3ØY | 5 |
| **AH520C9W** | Connector | 120/208 3ØY | |
| **AH520P5W** | Plug | 347/600 3ØY | 7 1/2 |
| **AH520P7W** | Plug | 277/480 3ØY | 5 |
| **AH520P9W** | Plug | 120/208 3ØY | 1 1/2 |
| **AH520R5W** | Receptacle | 347/600 3ØY | 7 1/2 |
| **AH520R7W** | Receptacle | 277/480 3ØY | 5 |
| **AH520R9W** | Receptacle | 120/208 3ØY | 1 1/2 |
| **AH430B5W** | Inlet | 3Ø 600V | 15 |
| **AH430B7W** | Inlet | 3Ø 480V | 10 |
| **AH430B9W** | Inlet | 3Ø 250V | 5 |
| **AH430C5W** | Connector | 3Ø 600V | 15 |
| **AH430C7W** | Connector | 3Ø 480V | 10 |
| **AH430C9W** | Connector | 3Ø 250V | 5 |
| **AH430P5W** | Plug | 3Ø 600V | 15 |
| **AH430P7W** | Plug | 3Ø 480V | 10 |
| **AH430P9W** | Plug | 3Ø 250V | 5 |
| **AH430R5W** | Receptacle | 3Ø 600V | 15 |
| **AH430R7W** | Receptacle | 3Ø 480V | 10 |
| **AH430R9W** | Receptacle | 3Ø 250V | 5 |
| **AH530B5W** | Inlet | 347/600 3ØY | 15 |
| **AH530B7W** | Inlet | 277/480 3ØY | 10 |
| **AH530B9W** | Inlet | 120/208 3ØY | 3 |
| **AH530C5W** | Connector | 347/600 3ØY | 15 |
| **AH530C7W** | Connector | 277/480 3ØY | 10 |
| **AH530C9W** | Connector | 120/208 3ØY | 3 |
| **AH530P5W** | Plug | 347/600 3ØY | 15 |
| **AH530P7W** | Plug | 277/480 3ØY | 10 |
| **AH530P9W** | Plug | 120/208 3ØY | 3 |
| **AH530R5W** | Receptacle | 347/600 3ØY | 15 |
| **AH530R7W** | Receptacle | 277/480 3ØY | 10 |
| **AH530R9W** | Receptacle | 120/208 3ØY | 3 |

## Pin & Sleeve HP Rating Devices

| Catalog No. | Type | Voltage | HP Rating High voltage |
|---|---|---|---|
| **AH460B5W** | Inlet | 3Ø 600V | 20 |
| **AH460B7W** | Inlet | 3Ø 480V | 15 |
| **AH460B9W** | Inlet | 3Ø 250V | 7 1/2 |
| **AH460C5W** | Connector | 3Ø 600V | 20 |
| **AH460C7W** | Connector | 3Ø 480V | 15 |
| **AH460C9W** | Connector | 3Ø 250V | 7 1/2 |
| **AH460P5W** | Plug | 3Ø 600V | 20 |
| **AH460P7W** | Plug | 3Ø 480V | 15 |
| **AH460P9W** | Plug | 3Ø 250V | 7 1/2 |
| **AH460R5W** | Receptacle | 3Ø 600V | 20 |
| **AH460R7W** | Receptacle | 3Ø 480V | 15 |
| **AH460R9W** | Receptacle | 3Ø 250V | 7 1/2 |
| **AH560B5W** | Inlet | 347/600 3ØY | 20 |
| **AH560B7W** | Inlet | 277/480 3ØY | 15 |
| **AH560B9W** | Inlet | 120/208 3ØY | 5 |
| **AH560C5W** | Connector | 347/600 3ØY | 20 |
| **AH560C7W** | Connector | 277/480 3ØY | 15 |
| **AH560C9W** | Connector | 120/208 3ØY | 5 |
| **AH560P5W** | Plug | 347/600 3ØY | 20 |
| **AH560P7W** | Plug | 277/480 3ØY | 15 |
| **AH560P9W** | Plug | 120/208 3ØY | 5 |
| **AH560R5W** | Receptacle | 347/600 3ØY | 20 |
| **AH560R7W** | Receptacle | 277/480 3ØY | 15 |
| **AH560R9W** | Receptacle | 120/208 3ØY | 5 |
| **AH4100B5W** | Inlet | 3Ø 600V | 30 |
| **AH4100B7W** | Inlet | 3Ø 480V | 20 |
| **AH4100B9W** | Inlet | 3Ø 250V | 10 |
| **AH4100C5W** | Connector | 3Ø 600V | 30 |
| **AH4100C7W** | Connector | 3Ø 480V | 20 |
| **AH4100C9W** | Connector | 3Ø 250V | 10 |
| **AH4100P5W** | Plug | 3Ø 600V | 30 |
| **AH4100P7W** | Plug | 3Ø 480V | 20 |
| **AH4100P9W** | Plug | 3Ø 250V | 10 |
| **AH4100R5W** | Receptacle | 3Ø 600V | 30 |
| **AH4100R7W** | Receptacle | 3Ø 480V | 20 |
| **AH4100R9W** | Receptacle | 3Ø 250V | 10 |
| **AH5100B5W** | Inlet | 347/600 3ØY | 30 |
| **AH5100B7W** | Inlet | 277/480 3ØY | 20 |
| **AH5100B9W** | Inlet | 120/208 3ØY | 7 1/2 |
| **AH5100C5W** | Connector | 347/600 3ØY | 30 |
| **AH5100C7W** | Connector | 277/480 3ØY | 20 |
| **AH5100C9W** | Connector | 120/208 3ØY | 7 1/2 |
| **AH5100P5W** | Plug | 347/600 3ØY | 30 |
| **AH5100P7W** | Plug | 277/480 3ØY | 20 |
| **AH5100P9W** | Plug | 120/208 3ØY | 7 1/2 |
| **AH5100R5W** | Receptacle | 347/600 3ØY | 30 |
| **AH5100R7W** | Receptacle | 277/480 3ØY | 20 |
| **AH5100R9W** | Receptacle | 120/208 3ØY | 7 1/2 |



**Compliances, specifications and availability are subject to change without notice.**

# Specifications for IEC 309 watertight pin & sleeve devices

## Product Description

**North American** 20A & 30A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 20A & 30A Pin & Sleeve Receptacles | 20A & 30A Pin & Sleeve Plugs | 20A & 30A Pin & Sleeve Connectors | 20A & 30A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 CSA and C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 |
| **Materials:** | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated Brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Stainless steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated Brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Stainless steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier/ Support Isolators:** N/A<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |

# Specifications for IEC 309 watertight pin & sleeve devices

## Product Description

**North American** 60A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 60A Pin & Sleeve Receptacles | 60A Pin & Sleeve Plugs | 60A Pin & Sleeve Connectors | 60A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers))<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers))<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers))<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 2000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 2000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 2000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 2000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 |
| **Materials:** | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |



**Compliances, specifications and availability are subject to change without notice.**

# Specifications for IEC 309 watertight pin & sleeve devices

## Product Description

**North American** 100A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 100A Pin & Sleeve Receptacles | 100A Pin & Sleeve Plugs | 100A Pin & Sleeve Connectors | 100A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2<br>• cULus Listed to UL1682, UL1686 and CSA C22.2 No. 182.1 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 500 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 500 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 500 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 500 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** UL1682<br>**Cable Grip Retention:** UL1682 |
| **Materials:** | **Housing & Flange:** Nylon PA66<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |

# Specifications for IEC 309 watertight pin & sleeve devices

## Product Description

**International** 16A & 32A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 16A & 32A Pin & Sleeve Receptacles | 16A & 32A Pin & Sleeve Plugs | 16A & 32A Pin & Sleeve Connectors | 16A & 32A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 5000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 5000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 5000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 5000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 |
| **Materials:** | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Stainless steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6-GF30<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Stainless steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier:** N/A<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |



**Compliances, specifications and availability are subject to change without notice.**

# Specifications for IEC 309 watertight pin & sleeve devices

### Product Description

**International** 63A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 63A Pin & Sleeve Receptacles | 63A Pin & Sleeve Plugs | 63A Pin & Sleeve Connectors | 63A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 2000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 2000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 2000 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 2000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 |
| **Materials:** | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA6<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |

# Specifications for IEC 309 watertight pin & sleeve devices

## Product Description

**International** 125A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 125A Pin & Sleeve Receptacles | 125A Pin & Sleeve Plugs | 125A Pin & Sleeve Connectors | 125A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 | **Base Device:**<br>• Classified to IEC Standards 60309-1 and 60309-2 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 |
| **Specifications Electrical:** | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 500 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 500 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 500 cycles | **Dielectric Voltage:** 50-415V: 2000V, 415-500V: 2500V<br>**Maximum Working Voltage:** 480V<br>**Breaking Capacity:** Tested at 110% rated voltage & 125% rated current<br>**Temperature Rise:** 50ºC Max.<br>**Normal Operation:** 500 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** IEC60309-1<br>**Cable Grip Retention:** IEC60309-2 |
| **Materials:** | **Housing & Flange:** Nylon PA66<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6-GF30<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6-GF30<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** Nylon PA6-GF30<br>**Contact Carrier:** Nylon PA6-GF30<br>**Sleeves:** Nickel plated brass<br>**Contact Spring on Sleeves:** Nickel plated spring steel<br>**Pins:** N/A<br>**External Strain Relief Clamp:** Nylon PA6-GF30<br>**Cable Seal:** Silicon rubber<br>**Support Washer for Cord Grip:** Plated Steel<br>**Cover:** Nylon PA6-GF30<br>**Hinge Pin:** Nylon PA6-GF30<br>**Cover Spring:** Nickel plated spring steel<br>**Cover Gasket:** Silicon rubber<br>**Flange Gasket:** N/A<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel | **Housing & Flange:** Nylon PA66<br>**Back Body:** N/A<br>**Contact Carrier:** Nylon PA6-GF30<br>**Sleeves:** N/A<br>**Contact Spring on Sleeves:** N/A<br>**Pins:** Nickel plated brass<br>**External Strain Relief Clamp:** N/A<br>**Cable Seal:** N/A<br>**Support Washer for Cord Grip:** N/A<br>**Cover:** N/A<br>**Hinge Pin:** N/A<br>**Cover Spring:** N/A<br>**Cover Gasket:** N/A<br>**Flange Gasket:** Silicon rubber<br>**Terminal Screws:** Nickel plated steel<br>**Assembly Screws:** Stainless steel |



**Compliances, specifications and availability are subject to change without notice.**

# Specifications for IEC 309 watertight pin & sleeve mechanical interlocks

## Product Description

20A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 20A Non-Fusible Mechanical Interlocks | 20A Fusible Mechanical Interlocks | 20A Fuse Option Mechanical Interlocks | 20A Circuit Breaker Option Mechanical Interlocks |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Conforms to IEC Standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC Standards 60309-1 and 60309-2<br>• Listed to UL98, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC Standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC Standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; HB rated (housing),V0 rated (contact carriers)<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 |
| **Specifications Electrical:** | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 |
| **Materials:** | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel |

# Specifications for IEC 309 watertight pin & sleeve mechanical interlocks

## Product Description

30A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 30A Pin & Sleeve Receptacles | 30A Pin & Sleeve Plugs | 30A Pin & Sleeve Connectors | 30A Pin & Sleeve Inlets |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Conforms to IEC Standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL98, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 |
| **Specifications Electrical:** | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30°C (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30°C (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30°C (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30°C (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles |
| **Specifications Mechanical:** | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 | **Voltage Ratings:** Marked on device<br>**Impact Resistance:** CSA 22.2, 182.1 UL1682<br>**Cable Grip Retention:** CSA 22.2, 182.1 UL1682 |
| **Materials:** | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel |



**Compliances, specifications and availability are subject to change without notice.**

# Specifications for IEC 309 watertight pin & sleeve mechanical interlocks

### Product Description

60A & 100A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

| Device Type | 60A & 100A Non-Fusible Mechanical Interlocks | 60A & 100A Fusible Mechanical Interlocks | 60A & 100A Fuse Option Mechanical Interlocks | 60A & 100A Circuit Breaker Option Mechanical Interlocks |
|---|---|---|---|---|
| **Testing & Code Compliance:** | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL98, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 | **Base Device:**<br>• Conforms to IEC standards 60309-1 and 60309-2<br>• Listed to UL508, UL1682 & UL1686<br>• CSA Certified to C22.2, no. 4-M91 |
| **Specifications Environmental:** | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 | **Flammability:** Meets UL94 requirements; 5V rated<br>**Protection:** NEMA 4X; 12 rated enclosure Watertight to IP66 per IEC 529 |
| **Specifications Electrical:** | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles | **Dielectric Voltage:** 3000V<br>**Maximum Working Voltage:** 600V (rms)<br>**Current Interrupting:** Yes, at full-rated current & voltage<br>**Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current<br>**Endurance:** 5000 cycles |
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| **Materials:** | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel | **Enclosure Back Housing:** UV stabilized Valox®<br>**Enclosure Cover:** UV stabilized Valox®<br>**Enclosure Gasket:** Poured-in-place, seamless<br>**Enclosure Fixing Screws:** Stainless steel<br>**Receptacle Housing & Flange:** PBT polyester & nylon/ABS blend<br>**Receptacle Contact Carrier/Support Isolators:** Type 6/6 nylon<br>**Receptacle Sleeves:** Brass<br>**Contact Spring on Sleeves:** Nickel plated stainless steel<br>**Receptacle Rivet:** PBT polyester<br>**Receptacle Cover:** Type 6 nylon w/ PBT locking ring<br>**Receptacle Cover Spring:** Stainless steel<br>**Receptacle Cover Gasket:** NBR rubber<br>**Receptacle Flange Gasket:** EPDM rubber<br>**Receptacle Terminal Screws:** Nickel plated brass<br>**Receptacle Assembly Screws:** Stainless steel |

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