SECTION

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Pin & Sleeve Devices

COMMERCIAL | INDUSTRIAL

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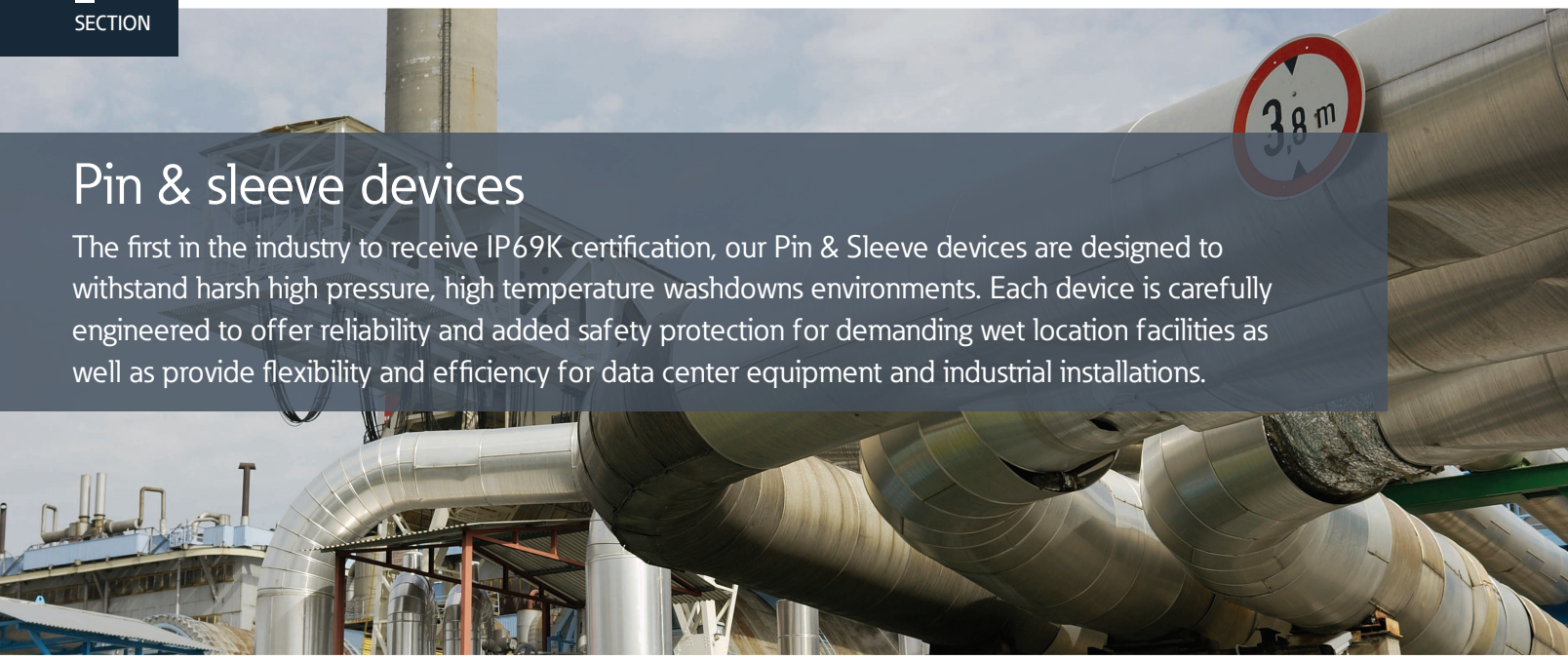


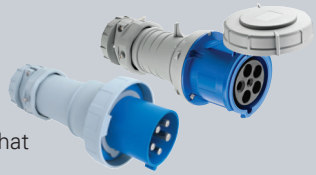
Pin & sleeve devices

The first in the industry to receive IP69K certification, our Pin & Sleeve devices are designed to withstand harsh high pressure, high temperature washdowns environments. Each device is carefully engineered to offer reliability and added safety protection for demanding wet location facilities as well as provide flexibility and efficiency for data center equipment and industrial installations.

Arrow Hart's pin & sleeve families

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.



IP69K certified

I-8

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.

I-12

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

IP69K certified

What does IP69K testing mean to you

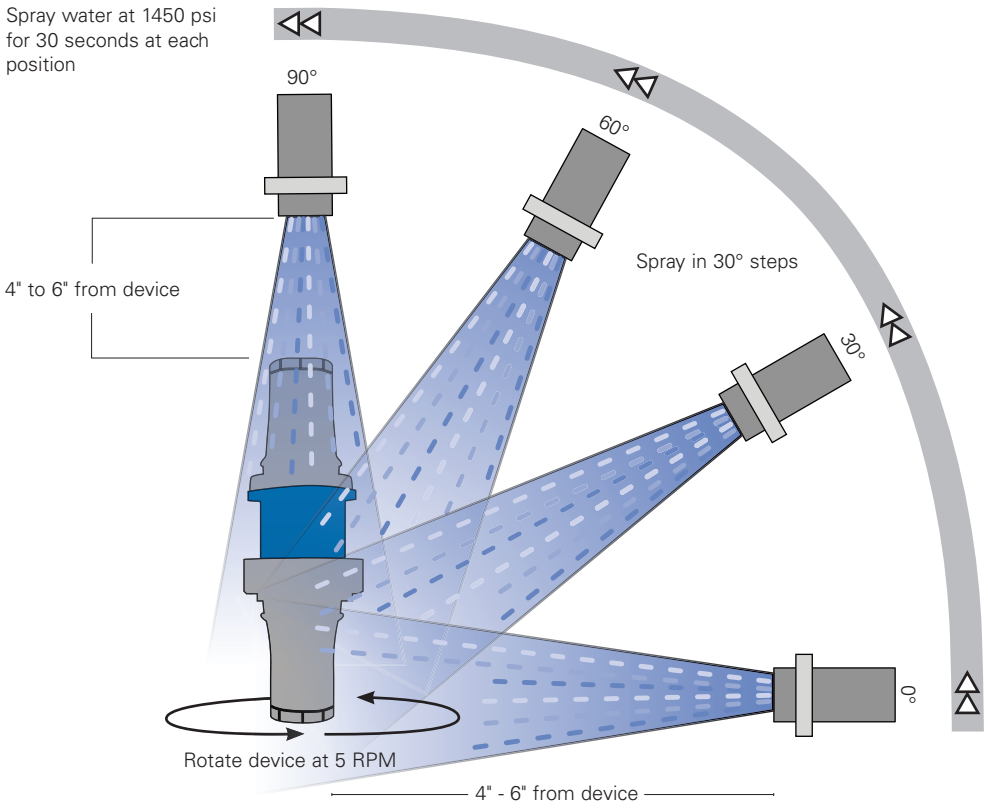
The IP69K rating is designed to tackle high pressure, high temperature washdown applications. The "6" applies to external protection from dust. The "9" signifies protection from close-range high pressure spray downs, and the "K" applies to the high temperature of the water used. Arrow Hart's new pin & 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 1160–1450 psi. The test time is 2 minutes.

IP69K Test

Water temperature = 176°F (80°C)



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

After testing, water must not be present inside the device

IP69K pin & sleeve plugs

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

Arrow Hart's 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

IP69K certified

Mechanical cord clamp with silicone grommet seal and locking screw ensures a positive and watertight strain relief system

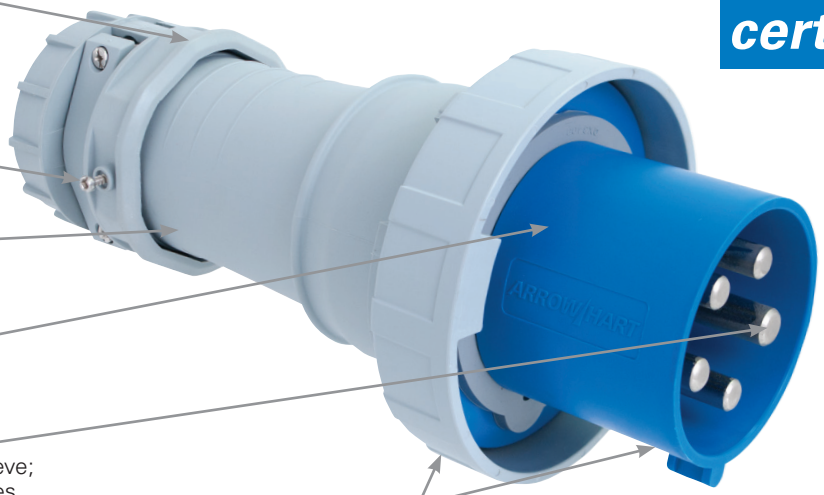
Tri-combo cord grip screws for convenience

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.

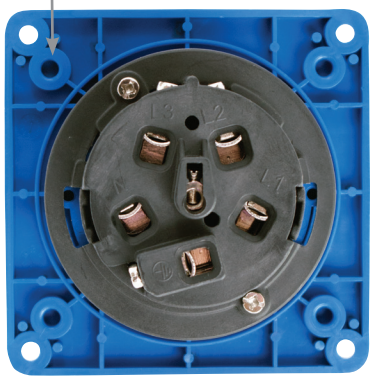
IP69K pin & sleeve receptacles

Pin & sleeve receptacles features & benefits

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



IP69K certified

15˚ Angled pin & sleeve receptacles features:

- Angled 15˚ for strain relief
- Sturdy nylon construction, rugged design
- Watertight to IP67 per IEC60529 & IP69K to DIN 40050 Part 9
- Available in select 60A and 100A configurations
- Nickel plated contacts
- Classified to IEC60309-1 and IEC60309-2
- cULus Listed to UL1682 & UL1686 and CSA 22.2 no. 182.1

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

Individual silicone sealing grommets with cord diameter range makes for faster, easier assembly

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

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 P 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 contact
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 contact
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 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.

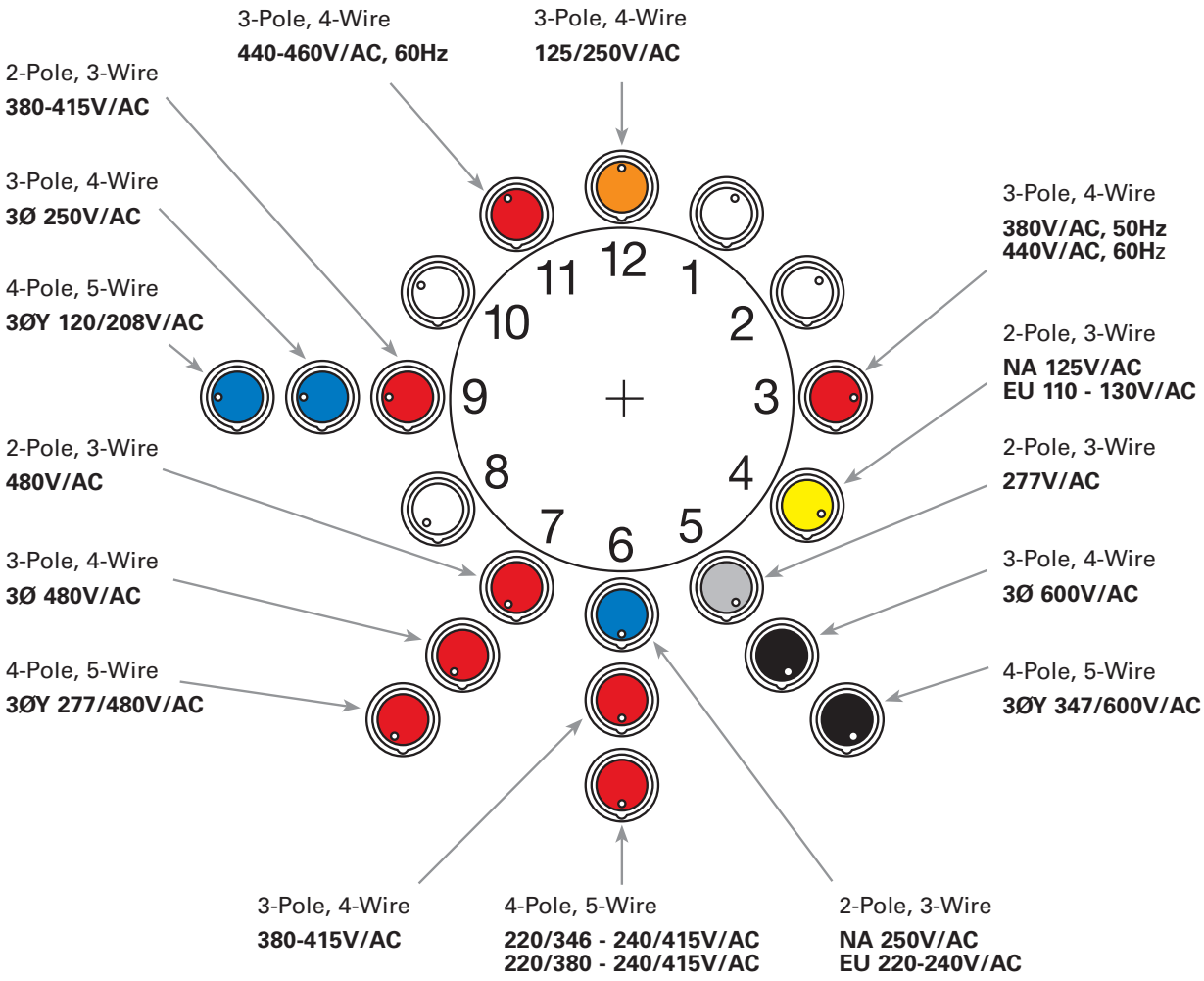
Compliances, specifications and availability are subject to change without notice.

Pin and sleeve configurations

Understanding pin & sleeve configurations

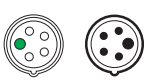
Arrow Hart's full line of pin & sleeve products meet or exceed the rigorous IEC 309-1 and 309-2 watertight requirements, and as such are intermateable with all other non-hazardous IEC 309 devices.

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
3ØY 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

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

IEC 309 watertight pin & sleeve devices

Product description

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


Receptacle


Plug


Connector


Inlet


15˚ 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	—

All 60A and 100A devices include pilot pins or contacts.
See section I-18 for HP ratings.

Specification information: I-19, I-20, I-21

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

IEC 309 watertight pin & sleeve devices

Product description

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

Receptacle

Plug

Connector

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
	2-P, 3-W	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
	2-P, 3-W	220-240V	☐ AH332R6W	☐ AH332P6W	☐ AH332C6W	☐ AH332B6W
	3-P, 4-W	380V 50Hz / 440V 60Hz	☐ AH432R3W	☐ AH432P3W	☐ AH432C3W	☐ AH432B3W
	3-P, 4-W	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	200/346 - 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

All 63A and 125A devices include pilot pins or contacts.

IEC 309 watertight pin & sleeve devices

Product description

North American Angled 60A & 100A receptacles

Inlet

15˚ 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.
60	4-P, 5-W	3ØY 120/208	☐ AH560R9W	☐ AH560P9W	☐ AH560C9W	☐ AH560B9W	☐ AH560R9W-15
100	3-P, 4-W	125/250	☐ AH4100R12W	☐ AH4100P12W	☐ AH4100C12W	☐ AH4100B12W	☐ AH4100R12W-15
		3Ø 480	☐ AH4100R7W	☐ AH4100P7W	☐ AH4100C7W	☐ AH4100B7W	☐ AH4100R7W-15
	4-P, 5-W	3ØY 120/208	☐ AH5100R9W	☐ AH5100P9W	☐ AH5100C9W	☐ AH5100B9W	☐ AH5100R9W-15
		3ØY 277/480	☐ AH5100R7W	☐ AH5100P7W	☐ AH5100C7W	☐ AH5100B7W	☐ AH5100R7W-15

Specification information: I-22, I-23, I-24

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

Pin & sleeve device accessories

Product description

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

AHBB30

AHBB60

AHBB100

AHFTBB1

CDCP100

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

Cast aluminum feed through

Amps	Description	Catalog no.
16/20 & 30/32	For pin & sleeve receptacles & inlets, 1" (25.4mm) hub footprint: 3.125" x 3.125" (79.4mm x 79.4mm)	☐ AHFTBB1

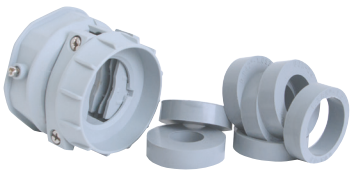
Plug & inlet closure caps

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
30/32	For 2-pole, 3-wire and 3-pole, 4-wire pin & sleeve devices	☐ CDCP3430
	For 4-pole, 5-wire pin & sleeve devices	☐ 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

Pin & sleeve device accessories

Rating amps	Wires	Plug locking ring catalog no.	Inlet locking ring catalog no.	Connector/receptacle cover assembly	Cord clamp assembly
16/20	3	☐ AHLRP320	☐ AHLRI320	☐ AHCA320	☐ AHCC3420
	4	☐ AHLRP420	☐ AHLRI420	☐ AHCA420	☐ AHCC3420
	5	☐ AHLRP520	☐ AHLRI520	☐ AHCA520	☐ AHCC520
30/32	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

Connector/ receptacle cover assembly



Cord clamp assembly

Inlet locking ring

Plug locking ring

Dimensional information: I-16

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 SABIC or its affiliates or subsidiaries..

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

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

IEC 309 watertight pin & sleeve devices

Product description

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

Horizontal mechanical interlock, non-fusible

Mechanical interlock, fusible or non-fusible

Rating A	Poles/ wires	V/AC, color coding & configurations		HP rating std/max*	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
		3Ø 250		5	Horizontal, non-fusible	☐ CD420HMI9W
		3Ø 480		10	Horizontal, non-fusible	☐ CD420HMI7W
				10	Fused, w/ access panel	☐ CD420MIB7W
				10	Circuit breaker, w/ access panel	☐ CD420MICB7W
		3Ø 600		10	Horizontal, non-fusible	☐ CD420HMI5W
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
		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
		3ØY 277/480		20	Non-fusible	☐ CD530MI7W
		3ØY 347/600		20	Non-fusible	☐ CD530MI5W

*See page I-18 for horse power rating

Specification information: I-25, I-26

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

IEC 309 watertight pin & sleeve mechanical interlocks

Product description

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

Mechanical interlock, fuse or circuit breaker with access panel

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
		3Ø 250		20	Non-fusible	☐ CD460MI9W
				7.5/15	Fusible	☐ CD460MIF9W
				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	Circuit breaker, w/ access panel	☐ CD460MICB5W
	4-P, 5-W	3ØY 120/208		20	Non-fusible	☐ CD560MI9W
				7.5/15	Fusible	☐ CD560MIF9W
		3ØY 277/480		40	Non-fusible	☐ CD560MI7W
				15/30	Fusible	☐ CD560MIF7W
		3ØY 347/600		50	Non-fusible	☐ CD560MI5W
				15/50	Fusible	☐ CD560MIF5W
100	2-P, 3-W	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

*See page I-18 for horse power rating

Specification information: I-27

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

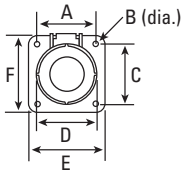
Dimensional information

16/20A & 30/32A receptacles, plugs, connectors & inlets

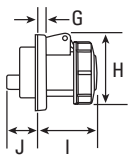
16/20A & 30/32A receptacles

Family	A	B	C	D (cover dia.)	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)

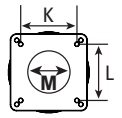
16/20A Receptacle Front View



16/20A Receptacle, Side View

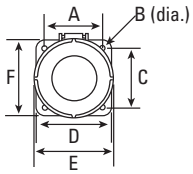


16/20A Receptacle Back View

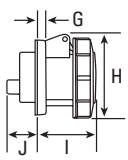


K & L = Blind Holes*

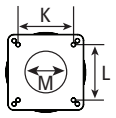
30/32A Receptacle, Front View



30/32A Receptacle Side View



30/32A Receptacle, Back View

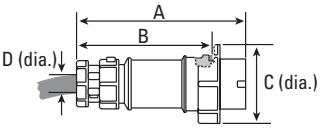


K & L = Blind Holes*

16/20A & 30/32A plugs

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

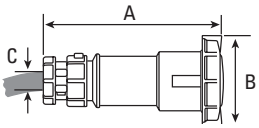
16/20A & 30/32A Plugs, Side View



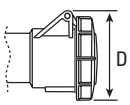
16/20A & 30/32A connectors

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



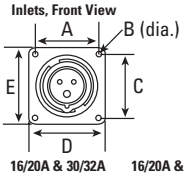
16/20A & 30/32A Connectors, Side View



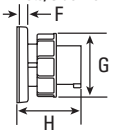
16/20A & 30/32A inlets

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)

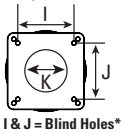
16/20A & 30/32A Inlets, Front View



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



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



I & J = Blind Holes*

*Blind holes can be drilled out to mount to previous versions of Arrow Hart back boxes.

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

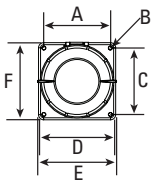
Dimensional information

60/63A & 100/125A receptacles, plugs, connectors & inlets

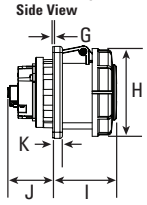
60/63A & 100/125A receptacles

Family	A	B	C	D (cover dia.)	E	F	G	H	I	J	K	L	M	N
60/63A	3.88" (9.8cm)	0.21" (0.54cm)	3.88" (9.8cm)	4.6" (11.7cm)	4.5" (11.4cm)	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)
100/125A	4.87" (12.4cm)	0.21" (0.54cm)	4.87" (12.4cm)	5.11" (13cm)	5.5" (14cm)	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)
60A angled	3.88" (9.8cm)	0.21" (0.54cm)	3.88" (9.8cm)	4.6" (11.7cm)	4.7" (11.9cm)	4.7" (11.9cm)	0.079" (0.2cm)		3.23" (8.2cm)	2.3" (5.8cm)	0.37" (1.1cm)	3.03" (7.70cm)	3.35" (8.51cm)	3.35" (8.5cm)
100A angled	4.87" (12.4cm)	0.21" (0.54cm)	4.87" (12.4cm)	5.11" (13cm)	5.5" (14cm)	5.5" (14cm)	0.12" (0.3cm)		3.5" (8.9cm)	2.05" (5.2cm)	0.43" (1.09cm)	3.54" (8.9cm)	3.54" (8.9cm)	4.57" (11.6cm)

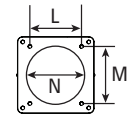
60/63A Receptacle, Front View



60/63A Receptacle, Side View

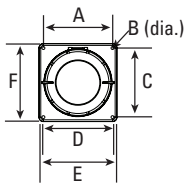


60/63A Receptacle, Back View

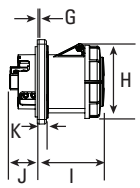


L & M = Blind Holes*

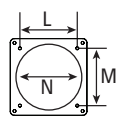
100/125A Receptacle, Front View



100/125A Receptacle, Side View

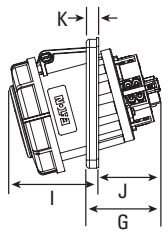


100/125A Receptacle, Back View

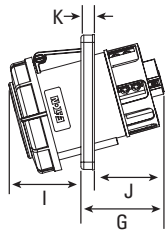


L & M = Blind Holes*

60A Angled Receptacle, Side View



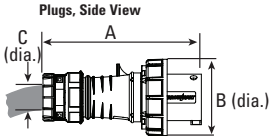
100A Angled Receptacle, Side View



60/63A & 100/125A plugs

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

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

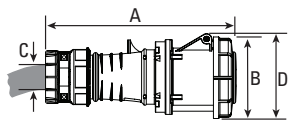


60/63A & 100/125A connectors

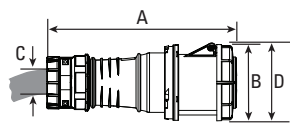
Family	A	B	C (cord dia.)	D	Threaded entry (NPT)
60/63A	10" (25.39cm)	4.29" (10.9cm)	0.66-1.5" (1.68-3.81cm)	4.43" (11.25cm)	1.5" (3.81cm)

Family	A	B	C (cord dia.)	D	Threaded entry (NPT)
100/125A	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 Connector



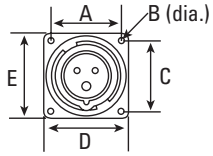
100/125A Connector



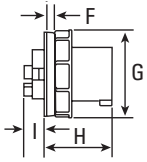
60/63A & 100/125A inlets

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

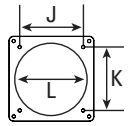
60/63A & 100/125A Inlets, Front View



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



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



J & K = Blind Holes*

*Blind holes can be drilled out to mount to previous versions of Arrow Hart back boxes.

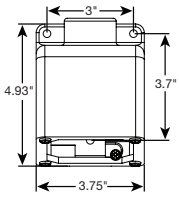
Compliances, specifications and availability are subject to change without notice.

Dimensional information

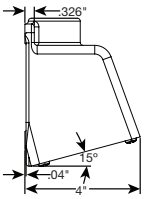
Back boxes, feed though & mechanical interlocks

20/23A, 30/32A, 60/63A, 100/125A back boxes

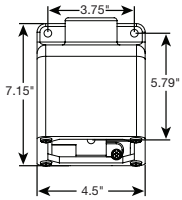
20/23A & 30/32A Back Box, Front View



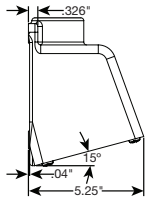
20/23A & 30/32A Back Box, Side View



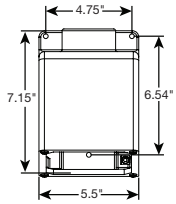
60/63A Back Box Front View



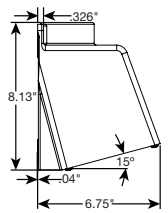
60/63A Back Box Side View



100/125A Back Box Front View



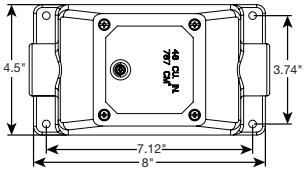
100/125A Back Box Side View



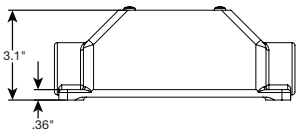
*Drawings not to scale

20/23A & 30/32A feed through

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



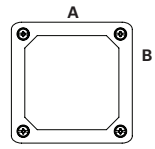
20/23A & 30/32A Feed Through, Side View



*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)

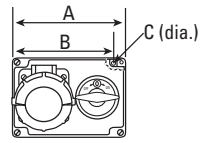


#10-32 Tapped holes

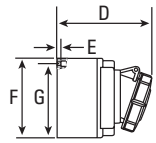
20A non-fusible mechanical interlocks

Family	A	B	C	D	E	F	G
20A 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)
20A 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)

20A Interlock Front View



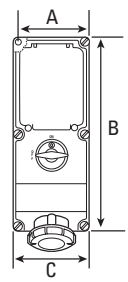
20A Interlock, Side View



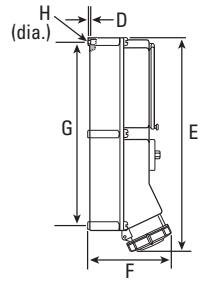
20A fuse or circuit breaker option mechanical interlocks

Family	A	B	C	D	E	F	G	H
20A 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.

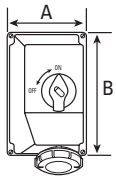
Dimensional information

Non-fusible & fusible, fuse or circuit breaker option mechanical interlocks

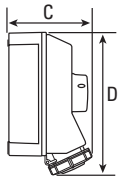
30A non-fusible & fusible mechanical interlocks

Family	A	B	C	D	E	Hub size
30A 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)
30A 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)
30A 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)

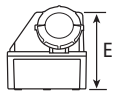
30A Interlock, Front View



30A Interlock, Side View



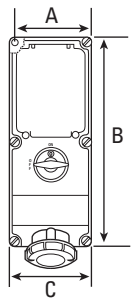
30A Interlock, Bottom View



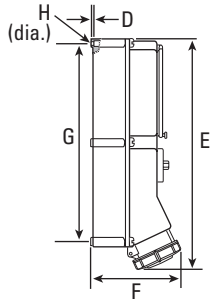
30A fuse or circuit breaker option mechanical interlocks

Family	A	B	C	D	E	F	G	H
30A 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



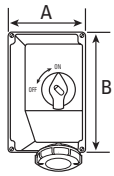
20A & 30A Interlock, Side View



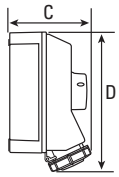
60A non-fusible & fusible mechanical interlocks

Family	A	B	C	D	E	Hub size
60A 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)
60A 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)
60A 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)

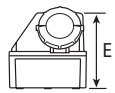
60A Interlock, Front View



60A Interlock, Side View



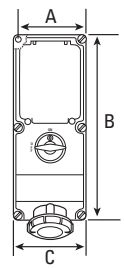
60A Interlock, Bottom View



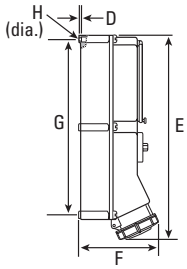
60A fuse or circuit breaker option mechanical interlocks

Family	A	B	C	D	E	F	G	H
60A 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)

60A Interlock, Front View



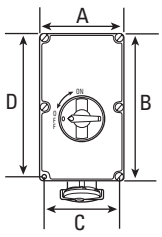
60A Interlock, Side View



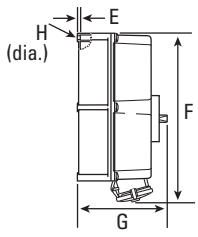
100A non-fusible mechanical interlocks

Family	A	B	C	D	E	F	G	H
100A 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)
100A 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)
100A 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)

100A Interlock, Front View



100A Interlock, Side View



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

Pin & sleeve horsepower rating

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

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:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles
Mechanical specifications	**Terminal accommodations:** #12 - #10 AWG (20A) #10 - #8 AWG (30A) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #12 - #10 AWG (20A) #10 - #8 AWG (30A) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #12 - #10 AWG (20A) #10 - #8 AWG (30A) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #12 - #10 AWG (20A) #10 - #8 AWG (30A) **Impact resistance:** UL1682 **Cable grip retention:** UL1682
Materials	**Housing & flange:** Nylon PA6-GF30 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Stainless steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6-GF30 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6-GF30 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Stainless steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** N/A **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **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 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:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 2000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 2000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 2000 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 2000 cycles
Mechanical specifications	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682
Materials	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** Nylon PA6-GF30 **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** Nylon PA6-GF30 **Contact carriers:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** N/A **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **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:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 500 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 500 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 500 cycles	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Voltage ratings:** Marked on device **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 500 cycles
Mechanical specifications	**Terminal accommodations:** #4 - 1/0 #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #4 - 1/0 #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #4 - 1/0 #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682	**Terminal accommodations:** #4 - 1/0 #12 - #16 AWG (pilot) **Impact resistance:** UL1682 **Cable grip retention:** UL1682
Materials	**Housing & flange:** Nylon PA66 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated Steel **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated Steel **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **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 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:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 5000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 5000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 5000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 5000 cycles
Mechanical specifications	**Terminal accommodations:** #12 - #10 AWG (16A) #10 - #8 AWG (32A) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #12 - #10 AWG (16A) #10 - #8 AWG (32A) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #12 - #10 AWG (16A) #10 - #8 AWG (32A) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #12 - #10 AWG (16A) #10 - #8 AWG (32A) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2
Materials	**Housing & flange:** Nylon PA6-GF30 **Back body:** N/A **Contact carrier:** Nylon PA6-FR **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Stainless steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6-GF30 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6-FR **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated Steel **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6-GF30 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6-FR **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated Steel **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Stainless steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** N/A **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **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:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 2000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 2000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 2000 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 2000 cycles
Mechanical specifications	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2
Materials	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** Nylon PA6-GF30 **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** N/A **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA6 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **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 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:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL1682 & UL1686 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL1682 & UL1686 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL1682 & UL1686 • CE Certified	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL1682 & UL1686 • CE Certified
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9 **Operating Temperature:** -40°C (w/o impact) to 75°C (-40°F to 167°F); -25°C (w/impact) to 75°C (-13°F to 167°F)
Electrical specifications	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 500 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 500 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 500 cycles	**Dielectric voltage:** 50-415V: 2000V, 415-500V: 2500V **Voltage ratings:** Marked on device **Maximum working voltage:** 480V **Breaking capacity:** Tested at 110% rated voltage & 125% rated current **Temperature rise:** 50°C Max. **Normal operation:** 500 cycles
Mechanical specifications	**Terminal accommodations:** #4 - 1/0 AWG #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #4 - 1/0 AWG #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #4 - 1/0 AWG #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2	**Terminal accommodations:** #4 - 1/0 AWG #12 - #16 AWG (pilot) **Impact resistance:** IEC60309-1 **Cable grip retention:** IEC60309-2]
Materials	**Housing & flange:** Nylon PA66 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** Nylon PA6-GF30 **Contact carrier:** Nylon PA6 **Sleeves:** Nickel plated brass **Contact spring on sleeves:** Nickel plated spring steel **Pins:** N/A **External strain relief clamp:** Nylon PA6-GF30 **Cable seal:** Silicon rubber **Support washer for cord grip:** Plated steel **Cover:** Nylon PA6-GF30 **Hinge pin:** Nylon PA6-GF30 **Cover spring:** Nickel plated spring steel **Cover gasket:** Silicon rubber **Flange gasket**: N/A **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel	**Housing & flange:** Nylon PA66 **Back body:** N/A **Contact carrier:** Nylon PA6 **Sleeves:** N/A **Contact spring on sleeves:** N/A **Pins:** Nickel plated brass **External strain relief clamp:** N/A **Cable seal:** N/A **Support washer for cord grip:** N/A **Cover:** N/A **Hinge pin:** N/A **Cover spring:** N/A **Cover gasket:** N/A **Flange gasket:** Silicon rubber **Terminal screws:** Nickel plated steel **Assembly screws:** Stainless steel

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

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Specifications for IEC 309 watertight pin & sleeve mechanical interlocks

Product description

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

Device type	20A non-fusible mechanical interlocks	20A fusible mechanical interlocks	20A fused w/access panel mechanical interlocks	20A circuit breaker option mechanical interlocks
Testing & code compliance	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL98, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91
Environmental specifications	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements: HB rated (housing), V0 rated (contact carriers) **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529
Electrical specifications	**Dielectric voltage:** 3000V **Voltage ratings:** Marked on device **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Voltage ratings:** Marked on device **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Voltage ratings:** Marked on device **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles	**Dielectric voltage:** 3000V **Voltage ratings:** Marked on device **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles
Mechanical specifications	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682
Materials	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **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

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

Device type	30A non-fusible mechanical interlocks	30A fusible mechanical interlocks	30A fused w/access panel mechanical interlocks	30A circuit breaker option mechanical interlocks
Testing & code compliance	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL98, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA certified to C22.2, no. 4-M91
Environmental specifications	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure watertight to IP66 per IEC 529
Electrical specifications	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device
Mechanical specifications	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682
Materials	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/ support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/ support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/ support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/ support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **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 fused w/access panel mechanical interlocks	60A & 100A circuit breaker option mechanical interlocks
Testing & code compliance	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA Certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL98, UL1682 & UL1686 • CSA Certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA Certified to C22.2, no. 4-M91	**Base device:** • Classified to IEC standards 60309-1 and 60309-2 • Listed to UL508, UL1682 & UL1686 • CSA Certified to C22.2, no. 4-M91
Environmental specifications	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529	**Flammability:** Meets UL94 requirements; 5V rated **Protection:** NEMA Type 4X; 12 rated enclosure Watertight to IP66 per IEC 529
Electrical specifications	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device	**Dielectric voltage:** 3000V **Maximum working voltage:** 600V (rms) **Current interrupting:** Yes, at full-rated current & voltage **Temperature rise:** Max. 30ºC (86°F) after 50 cycles of overload @150% of rated current **Endurance:** 5000 cycles **Voltage ratings:** Marked on device
Mechanical specifications	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682	**Impact resistance:** CSA 22.2, 182.1 UL1682 **Cable grip retention:** CSA 22.2, 182.1 UL1682
Materials	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel	**Enclosure back housing:** UV stabilized Valox® **Enclosure cover:** UV stabilized Valox® **Enclosure gasket:** Poured-in-place, seamless **Enclosure fixing screws:** Stainless steel **Receptacle housing & flange:** PBT polyester & nylon/ABS blend **Receptacle contact carrier/support isolators:** Type 6/6 nylon **Receptacle sleeves:** Brass **Contact spring on sleeves:** Nickel plated stainless steel **Receptacle rivet:** PBT polyester **Receptacle cover:** Type 6 nylon w/ PBT locking ring **Receptacle cover spring:** Stainless steel **Receptacle cover gasket:** NBR rubber **Receptacle flange gasket:** EPDM rubber **Receptacle terminal screws:** Nickel plated brass **Receptacle assembly screws:** Stainless steel

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