

# E

## Pin & Sleeve Devices



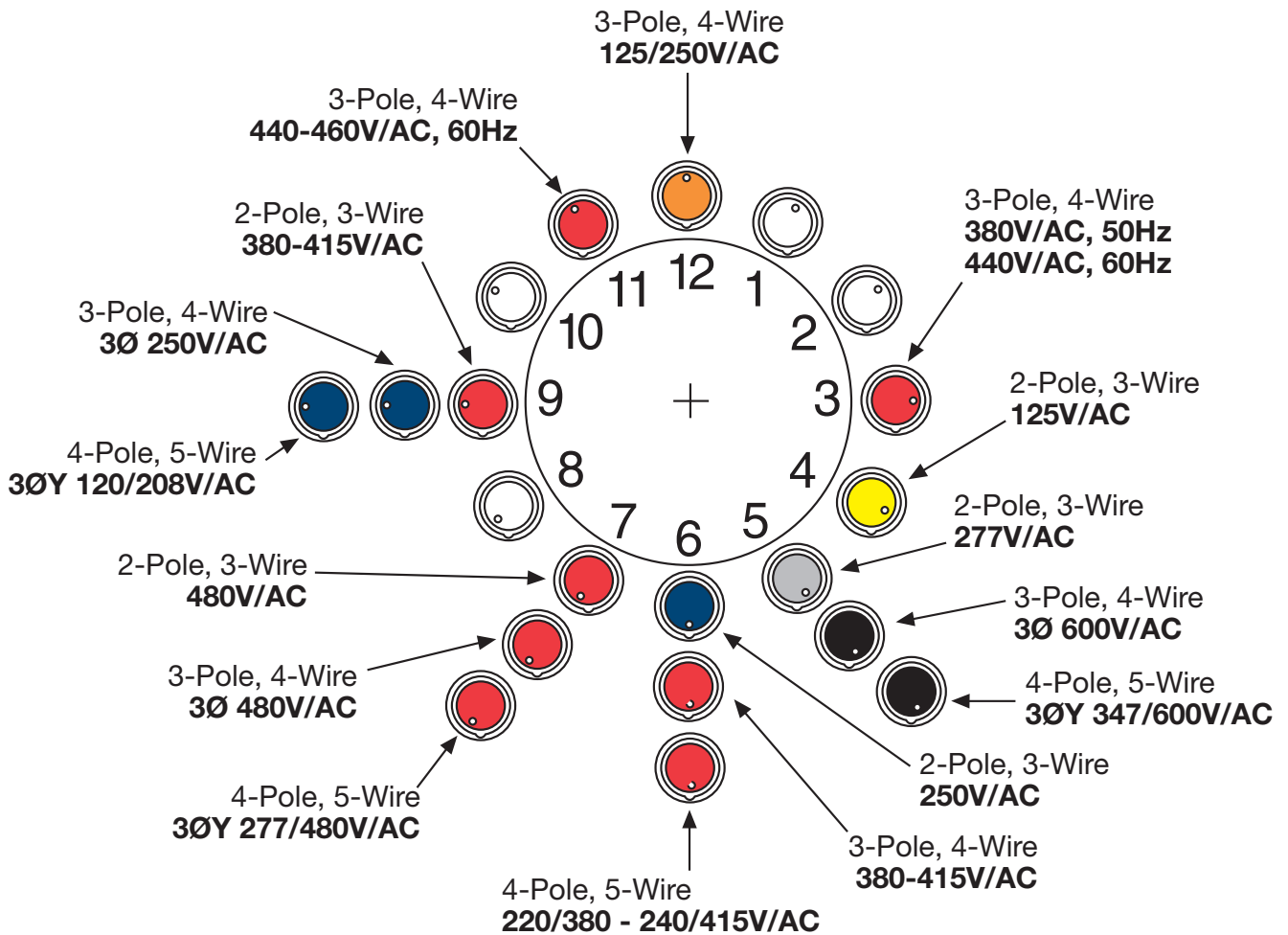
	Page
<b>Understanding IEC Pin &amp; Sleeve Configurations</b>	<b>E-1</b>
<hr/>	
<b>Pin &amp; Sleeve Devices</b>	<b>E-2</b>
20A Receptacles, Plugs, Connectors & Inlets . . . . .	E-4
30A Receptacles, Plugs, Connectors & Inlets . . . . .	E-4
60A Receptacles, Plugs, Connectors & Inlets . . . . .	E-4
100A Receptacles, Plugs, Connectors & Inlets . . . . .	E-4
Pin & Sleeve Accessories . . . . .	E-5
<hr/>	
<b>Pin &amp; Sleeve Mechanical Interlocks</b>	<b>E-6</b>
20A Mechanical Interlocks . . . . .	E-7
30A Mechanical Interlocks . . . . .	E-7
60A Mechanical Interlocks . . . . .	E-8
100A Mechanical Interlocks . . . . .	E-8
<hr/>	
<b>Pin &amp; Sleeve Dimensional Data</b>	
20A & 30A Dimensional Data . . . . .	E-9
60A & 100A Dimensional Data . . . . .	E-10
Accessory Dimensional Data . . . . .	E-11
Mechanical Interlock Dimensional Data . . . . .	E-11-E-12
<hr/>	
<b>Specification Information</b>	<b>E-13</b>



## Understanding IEC 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.



**Pin & Sleeve Plugs**

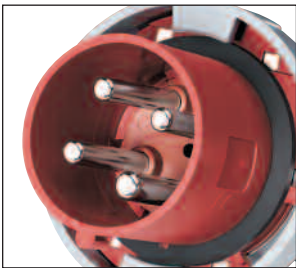
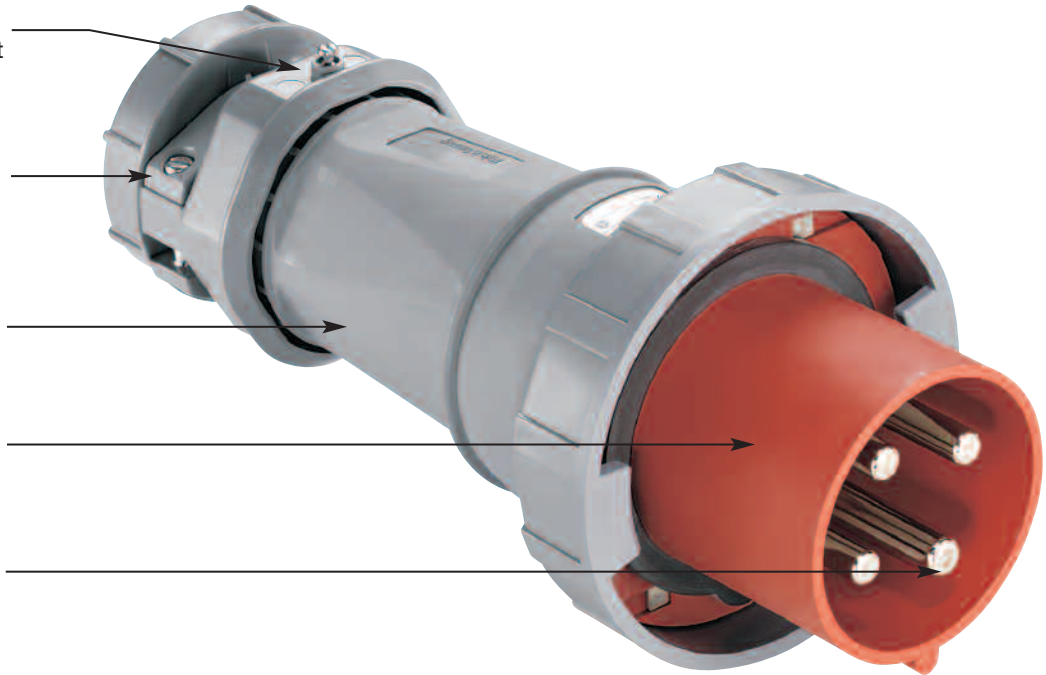
Mechanical cord clamp with TPE sealing gland and locking screw ensures a positive and watertight strain relief system

Flat wrenching surfaces for tightening down on internal bushing, ensuring complete watertight seal at cord

Durable impact and corrosion resistant thermoplastic body

Color-coded front housing for easy and accurate identification of mating devices of the same voltage

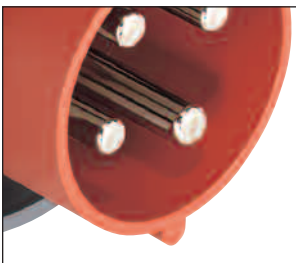
Oversized grounding pin assures mating only with oversized female grounding sleeve; staggered contact to ensure ground makes first and breaks last



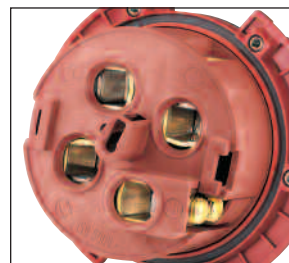
Nickel-plated brass pins offer long-life corrosion protection



Threaded 3/4" NPT cable entry provides means of attaching flexible conduit or wire mesh grips



Contacts fully shrouded for mechanical protection



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



*Pin & Sleeve Receptacles*

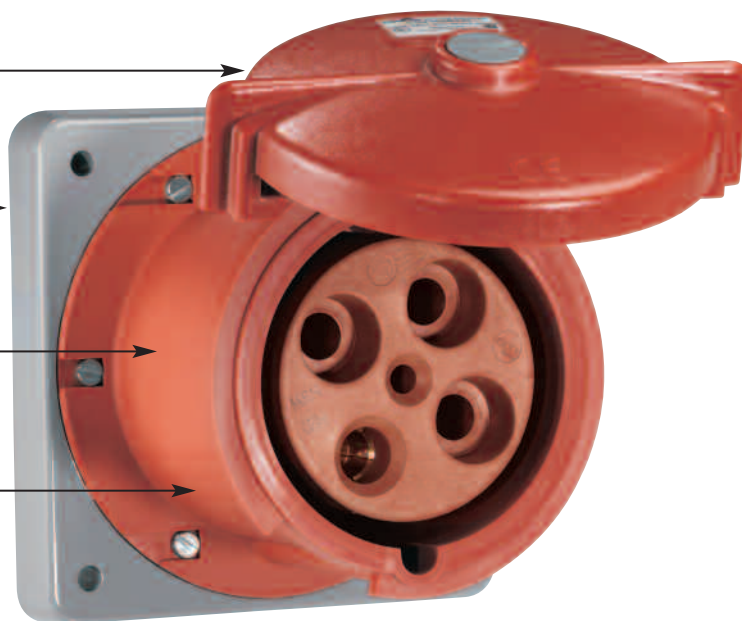
Spring-loaded self-closing cap with neoprene gasket protects contacts when not in use

Standard mounting footprints fit all existing back boxes

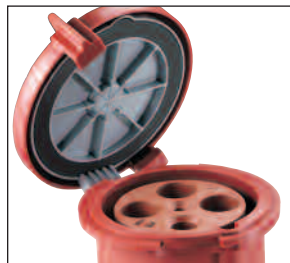
Rugged materials selected for use in wet locations; provides corrosion resistance

Color-coded cap accurately identifies mating plug of the correct voltage

Deep-slotted terminal screws for easy, secure conductor terminations



Color-coded cap accurately identifies mating plug of the correct voltage



Watertight cap meets NEMA 4X, 12; IP 66 hosedown standards



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



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

## IEC 309 Watertight Pin & Sleeve Devices

2-Pole, 3-Wire Grounding  
3-Pole, 4-Wire Grounding  
4-Pole, 5-Wire Grounding

### IEC 309 Pin & Sleeve Devices



A	Poles/ Wires	V/AC, Color Coding & Configuration	Catalog No.					
			Receptacle	Plug	Connector	Inlet		
20	2-P, 3-W	125		<input type="checkbox"/> CD320R4W	<input type="checkbox"/> CD320P4W	<input type="checkbox"/> CD320C4W	<input type="checkbox"/> CD320B4W	
		250		<input type="checkbox"/> CD320R6W	<input type="checkbox"/> CD320P6W	<input type="checkbox"/> CD320C6W	<input type="checkbox"/> CD320B6W	
		480		<input type="checkbox"/> CD320R7W	<input type="checkbox"/> CD320P7W	<input type="checkbox"/> CD320C7W	<input type="checkbox"/> CD320B7W	
	3-P, 4-W	125/250		<input type="checkbox"/> CD420R12W	<input type="checkbox"/> CD420P12W	<input type="checkbox"/> CD420C12W	<input type="checkbox"/> CD420B12W	
		3Ø 250		<input type="checkbox"/> CD420R9W	<input type="checkbox"/> CD420P9W	<input type="checkbox"/> CD420C9W	<input type="checkbox"/> CD420B9W	
		3Ø 480		<input type="checkbox"/> CD420R7W	<input type="checkbox"/> CD420P7W	<input type="checkbox"/> CD420C7W	<input type="checkbox"/> CD420B7W	
		3Ø 600		<input type="checkbox"/> CD420R5W	<input type="checkbox"/> CD420P5W	<input type="checkbox"/> CD420C5W	<input type="checkbox"/> CD420B5W	
	4-P, 5-W	3ØY 120/208		<input type="checkbox"/> CD520R9W	<input type="checkbox"/> CD520P9W	<input type="checkbox"/> CD520C9W	<input type="checkbox"/> CD520B9W	
		3ØY 277/480		<input type="checkbox"/> CD520R7W	<input type="checkbox"/> CD520P7W	<input type="checkbox"/> CD520C7W	<input type="checkbox"/> CD520B7W	
		3ØY 347/600		<input type="checkbox"/> CD520R5W	<input type="checkbox"/> CD520P5W	<input type="checkbox"/> CD520C5W	<input type="checkbox"/> CD520B5W	
	30	2-P, 3-W	125		<input type="checkbox"/> CD330R4W	<input type="checkbox"/> CD330P4W	<input type="checkbox"/> CD330C4W	<input type="checkbox"/> CD330B4W
			250		<input type="checkbox"/> CD330R6W	<input type="checkbox"/> CD330P6W	<input type="checkbox"/> CD330C6W	<input type="checkbox"/> CD330B6W
480				<input type="checkbox"/> CD330R7W	<input type="checkbox"/> CD330P7W	<input type="checkbox"/> CD330C7W	<input type="checkbox"/> CD330B7W	
3-P, 4-W		125/250		<input type="checkbox"/> CD430R12W	<input type="checkbox"/> CD430P12W	<input type="checkbox"/> CD430C12W	<input type="checkbox"/> CD430B12W	
		3Ø 250		<input type="checkbox"/> CD430R9W	<input type="checkbox"/> CD430P9W	<input type="checkbox"/> CD430C9W	<input type="checkbox"/> CD430B9W	
		3Ø 480		<input type="checkbox"/> CD430R7W	<input type="checkbox"/> CD430P7W	<input type="checkbox"/> CD430C7W	<input type="checkbox"/> CD430B7W	
		3Ø 600		<input type="checkbox"/> CD430R5W	<input type="checkbox"/> CD430P5W	<input type="checkbox"/> CD430C5W	<input type="checkbox"/> CD430B5W	
4-P, 5-W		3ØY 120/208		<input type="checkbox"/> CD530R9W	<input type="checkbox"/> CD530P9W	<input type="checkbox"/> CD530C9W	<input type="checkbox"/> CD530B9W	
		3ØY 277/480		<input type="checkbox"/> CD530R7W	<input type="checkbox"/> CD530P7W	<input type="checkbox"/> CD530C7W	<input type="checkbox"/> CD530B7W	
		3ØY 347/600		<input type="checkbox"/> CD530R5W	<input type="checkbox"/> CD530P5W	<input type="checkbox"/> CD530C5W	<input type="checkbox"/> CD530B5W	
60		2-P, 3-W	125		<input type="checkbox"/> CD360R4W	<input type="checkbox"/> CD360P4W	<input type="checkbox"/> CD360C4W	<input type="checkbox"/> CD360B4W
			250		<input type="checkbox"/> CD360R6W	<input type="checkbox"/> CD360P6W	<input type="checkbox"/> CD360C6W	<input type="checkbox"/> CD360B6W
	480			<input type="checkbox"/> CD360R7W	<input type="checkbox"/> CD360P7W	<input type="checkbox"/> CD360C7W	<input type="checkbox"/> CD360B7W	
	3-P, 4-W	125/250		<input type="checkbox"/> CD460R12W	<input type="checkbox"/> CD460P12W	<input type="checkbox"/> CD460C12W	<input type="checkbox"/> CD460B12W	
		3Ø 250		<input type="checkbox"/> CD460R9W	<input type="checkbox"/> CD460P9W	<input type="checkbox"/> CD460C9W	<input type="checkbox"/> CD460B9W	
		3Ø 480		<input type="checkbox"/> CD460R7W	<input type="checkbox"/> CD460P7W	<input type="checkbox"/> CD460C7W	<input type="checkbox"/> CD460B7W	
		3Ø 600		<input type="checkbox"/> CD460R5W	<input type="checkbox"/> CD460P5W	<input type="checkbox"/> CD460C5W	<input type="checkbox"/> CD460B5W	
	4-P, 5-W	3ØY 120/208		<input type="checkbox"/> CD560R9W	<input type="checkbox"/> CD560P9W	<input type="checkbox"/> CD560C9W	<input type="checkbox"/> CD560B9W	
		3ØY 277/480		<input type="checkbox"/> CD560R7W	<input type="checkbox"/> CD560P7W	<input type="checkbox"/> CD560C7W	<input type="checkbox"/> CD560B7W	
		3ØY 347/600		<input type="checkbox"/> CD560R5W	<input type="checkbox"/> CD560P5W	<input type="checkbox"/> CD560C5W	<input type="checkbox"/> CD560B5W	
	100	2-P, 3-W	125		<input type="checkbox"/> CD3100R4W	<input type="checkbox"/> CD3100P4W	<input type="checkbox"/> CD3100C4W	<input type="checkbox"/> CD3100B4W
			250		<input type="checkbox"/> CD3100R6W	<input type="checkbox"/> CD3100P6W	<input type="checkbox"/> CD3100C6W	<input type="checkbox"/> CD3100B6W
480				<input type="checkbox"/> CD3100R7W	<input type="checkbox"/> CD3100P7W	<input type="checkbox"/> CD3100C7W	<input type="checkbox"/> CD3100B7W	
3-P, 4-W		125/250		<input type="checkbox"/> CD4100R12W	<input type="checkbox"/> CD4100P12W	<input type="checkbox"/> CD4100C12W	<input type="checkbox"/> CD4100B12W	
		3Ø 250		<input type="checkbox"/> CD4100R9W	<input type="checkbox"/> CD4100P9W	<input type="checkbox"/> CD4100C9W	<input type="checkbox"/> CD4100B9W	
		3Ø 480		<input type="checkbox"/> CD4100R7W	<input type="checkbox"/> CD4100P7W	<input type="checkbox"/> CD4100C7W	<input type="checkbox"/> CD4100B7W	
		3Ø 600		<input type="checkbox"/> CD4100R5W	<input type="checkbox"/> CD4100P5W	<input type="checkbox"/> CD4100C5W	<input type="checkbox"/> CD4100B5W	
4-P, 5-W		3ØY 120/208		<input type="checkbox"/> CD5100R9W	<input type="checkbox"/> CD5100P9W	<input type="checkbox"/> CD5100C9W	<input type="checkbox"/> CD5100B9W	
		3ØY 277/480		<input type="checkbox"/> CD5100R7W	<input type="checkbox"/> CD5100P7W	<input type="checkbox"/> CD5100C7W	<input type="checkbox"/> CD5100B7W	
		3ØY 347/600		<input type="checkbox"/> CD5100R5W	<input type="checkbox"/> CD5100P5W	<input type="checkbox"/> CD5100C5W	<input type="checkbox"/> CD5100B5W	



Receptacle



Plug



Connector



Inlet

Specification Information:

Pin & Sleeve Devices: E-13-E-15





International rated devices are also available. Consult your Cooper Wiring Devices representative.

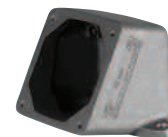
## Pin & Sleeve Device Accessories

20A, 30A, 60A & 100A  
For Receptacles, Plugs,  
Connectors & Inlets

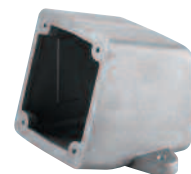
### Backboxes

#### Cast Aluminum Backboxes

For Amperage	Description	Catalog No. 
20 & 30	For pin & sleeve receptacles & inlets, 30° angled face, 0.75" (19.1mm) hub Footprint: 2.74" x 2.74" (69.6 x 69.6mm)	<input type="checkbox"/> <b>CDBB1</b> 
60	For pin & sleeve receptacles, 15° angled face, 1.25" (31.8mm) hub Footprint: 3.35" x 3.03" (85.1 x 77.0mm)	<input type="checkbox"/> <b>CDBB3</b> 
	For pin & sleeve inlets, 15° angled face, 1.25" (31.8mm) hub Footprint: 3.54" x 3.54" (89.9 x 89.9mm)	<input type="checkbox"/> <b>CDBB3-MI</b>
100	For pin & sleeve receptacles & inlets, 15° angled face, 2.00" (50.8mm) hub Footprint: 4.09" x 4.09" (103.9 x 103.9mm)	<input type="checkbox"/> <b>CDBB5</b> 




CDBB1

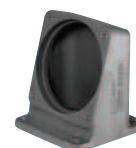


CDBB3

### Angle Adapters

#### Cast Aluminum Angle Adapter


For Amperage	Description	Catalog No. 
20 & 30	For pin & sleeve inlets, 15° angled face Footprint: 2.74" x 2.74" (69.6 x 69.6mm)	<input type="checkbox"/> <b>CDANG1</b>



CDANG1

### Feed-Throughs

#### Cast Aluminum Feed-Throughs


For Amperage	Description	Catalog No. 
20 & 30	For pin & sleeve receptacles & inlets, 1.00" (25.4mm) hub Footprint: 2.74" x 2.74" (69.6 x 69.6mm)	<input type="checkbox"/> <b>CDFTBB1</b>



CDFTBB1

### Closure Caps

#### Plug & Inlet Closure Caps

For Amperage	Description	Catalog No. 
20	For 2-pole, 3-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP320</b>
	For 3-pole, 4-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP420</b>
	For 4-pole, 5-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP520</b>
30	For 2-pole, 3-wire and 3-pole, 4-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP3430</b>
	For 4-pole, 5-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP530</b>
60	For 2-pole, 3-wire, 3-pole, 4-wire and 4-pole, 5-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP60</b>
100	For 2-pole, 3-wire, 3-pole, 4-wire and 4-pole, 5-wire pin & sleeve devices	<input type="checkbox"/> <b>CDCP100</b>



CDCP100

#### Icon Key

 NAFTA Compliant - see page O-30

## 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

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

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

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



Rugged Valox® housing provides superior corrosion and impact resistance

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

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



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



Dual mounting capability using corner mounting holes or supplied mounting feet



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



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

## IEC 309 Watertight Pin & Sleeve Mechanical Interlocks

2-Pole, 3-Wire Grounding  
3-Pole, 4-Wire Grounding  
4-Pole, 5-Wire Grounding

### IEC 309 Pin & Sleeve Mechanical Interlocks



A	Poles/Wires	V/AC Color Coding & Configuration	HP Rating Std/Max*	Description	Catalog No.
20	2-P, 3-W	125	1	Horizontal, Non-Fusible	<input type="checkbox"/> CD320HMI4W
		250	2.5	Horizontal, Non-Fusible	<input type="checkbox"/> CD320HMI6W
		480	5	Horizontal, Non-Fusible	<input type="checkbox"/> CD320HMI7W
	3-P, 4-W	125/250	1; 2.5	Horizontal, Non-Fusible	<input type="checkbox"/> CD420HMI12W
			0.5; 1	Fused, w/ Access Panel	<input type="checkbox"/> CD420MIB12W
			0.5; 1	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD420MICB12W
		3Ø 250	5	Horizontal, Non-Fusible	<input type="checkbox"/> CD420HMI9W
			5	Fused, w/ Access Panel	<input type="checkbox"/> CD420MIB9W
			5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD420MICB9W
		3Ø 480	10	Horizontal, Non-Fusible	<input type="checkbox"/> CD420HMI7W
			10	Fused, w/ Access Panel	<input type="checkbox"/> CD420MIB7W
			10	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD420MICB7W
3Ø 600	10	Horizontal, Non-Fusible	<input type="checkbox"/> CD420HMI5W		
4-P, 5-W	3ØY 120/208	5	Horizontal, Non-Fusible	<input type="checkbox"/> CD520HMI9W	
30	2-P, 3-W	125	2	Non-Fusible	<input type="checkbox"/> CD330MI4W
		250	2	Non-Fusible	<input type="checkbox"/> CD330MI6W
		2.5/5	Fusible	<input type="checkbox"/> CD330MIF6W	
	3-P, 4-W	125/250	10	Non-Fusible	<input type="checkbox"/> CD330MI7W
			2; 5	Non-Fusible	<input type="checkbox"/> CD430MI12W
			0.5; 1.5/2; 5	Fusible	<input type="checkbox"/> CD430MIF12W
		3Ø 250	1; 3	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB12W
			1; 3	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB12W
			10	Non-Fusible	<input type="checkbox"/> CD430MI9W
		3Ø 480	3/7.5	Fusible	<input type="checkbox"/> CD430MIF9W
			7.5	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB9W
			7.5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB9W
	3Ø 600	20	Non-Fusible	<input type="checkbox"/> CD430MI7W	
		5/15	Fusible	<input type="checkbox"/> CD430MIF7W	
		15	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB7W	
	4-P, 5-W	3ØY 120/208	15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB7W
			20	Non-Fusible	<input type="checkbox"/> CD430MI5W
			7.5/20	Fusible	<input type="checkbox"/> CD430MIF5W
3ØY 277/480		7.5	Non-Fusible	<input type="checkbox"/> CD530MI9W	
		7.5	Fused, w/ Access Panel	<input type="checkbox"/> CD530MIB9W	
		7.5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD530MICB9W	
3ØY 347/600		20	Non-Fusible	<input type="checkbox"/> CD530MI7W	
		15	Fused, w/ Access Panel	<input type="checkbox"/> CD530MIB7W	
		15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD530MICB7W	
3ØY 347/600	20	Non-Fusible	<input type="checkbox"/> CD530MI5W		
	15	Fused, w/ Access Panel	<input type="checkbox"/> CD530MIB5W		
	15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD530MICB5W		

\*Max. requires time delay fuses.



Horizontal Mechanical Interlock, Non-Fusible



Mechanical Interlock, Fusible or Non-Fusible

Specification Information:  
Pin & Sleeve Mechanical Interlocks: E-16-E17

## IEC 309 Watertight Pin & Sleeve Mechanical Interlocks

2-Pole, 3-Wire Grounding  
3-Pole, 4-Wire Grounding  
4-Pole, 5-Wire Grounding

### IEC 309 Pin & Sleeve Mechanical Interlocks



Mechanical Interlock,  
Fuse or Circuit  
Breaker with  
Access Panel

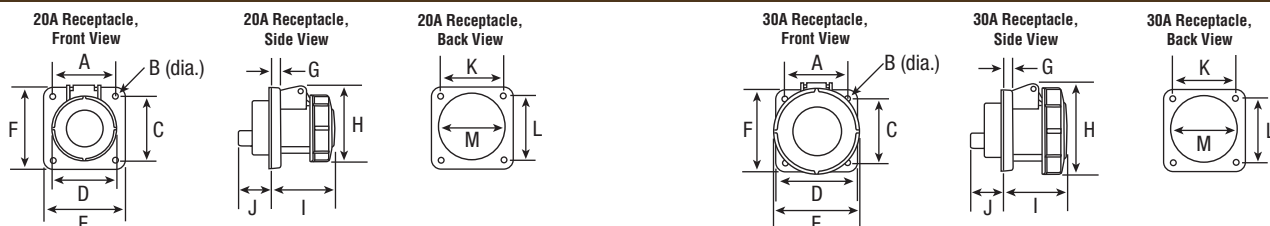
A	Poles/ Wires	V/AC Color Coding & Configuration	HP Rating Std/Max*	Description	Catalog No.				
60	2-P, 3-W	250	10	Non-Fusible	<input type="checkbox"/> CD360MI6W				
				Fusible	<input type="checkbox"/> CD360MIF6W				
	3-P, 4-W	480	20	Non-Fusible	<input type="checkbox"/> CD360MI7W				
				125/250	3; 10	Non-Fusible	<input type="checkbox"/> CD460MI12W		
						1.5; 3/3; 10	Fusible	<input type="checkbox"/> CD460MIF12W	
		2.5; 7.5	Fused, w/ Access Panel			<input type="checkbox"/> CD460MIB12W			
		3Ø 250	20	2.5; 7.5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB12W			
					3Ø 480	40	Non-Fusible	<input type="checkbox"/> CD460MI9W	
							7.5/15	Fusible	<input type="checkbox"/> CD460MIF9W
							15	Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB9W
					3Ø 600	15	15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB9W
								3Ø 480	40
		15/30	Fusible	<input type="checkbox"/> CD460MIF7W					
		30	Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB7W					
	4-P, 5-W	3ØY 120/208	20	30	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB7W			
					3ØY 600	50	Non-Fusible	<input type="checkbox"/> CD460MI5W	
							15/30	Fusible	<input type="checkbox"/> CD460MIF5W
				35			Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB5W	
				3ØY 277/480	35	35	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB5W	
							3ØY 120/208	20	Non-Fusible
		7.5/15	Fusible						<input type="checkbox"/> CD560MIF9W
		15	Fused, w/ Access Panel						<input type="checkbox"/> CD560MIB9W
		3ØY 277/480	40				15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD560MICB9W
								3ØY 480	40
15/30				Fusible	<input type="checkbox"/> CD560MIF7W				
30		Fused, w/ Access Panel	<input type="checkbox"/> CD560MIB7W						
3ØY 347/600	30	30	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD560MICB7W					
			3ØY 600	50	Non-Fusible	<input type="checkbox"/> CD560MI5W			
					15/50	Fusible	<input type="checkbox"/> CD560MIF5W		
					3ØY 120/208	15	15	Non-Fusible	<input type="checkbox"/> CD3100MI4W
			3ØY 250	15				Non-Fusible	<input type="checkbox"/> CD3100MI6W
								3ØY 480	30
3ØY 125/250	5; 15	Non-Fusible			<input type="checkbox"/> CD4100MI12W				
		3Ø 250	25	Non-Fusible	<input type="checkbox"/> CD4100MI9W				
				3Ø 480	50	Non-Fusible	<input type="checkbox"/> CD4100MI7W		
3Ø 600	50					Non-Fusible	<input type="checkbox"/> CD4100MI5W		
		3ØY 120/208	25			Non-Fusible	<input type="checkbox"/> CD5100MI9W		
				3ØY 277/480	50	Non-Fusible	<input type="checkbox"/> CD5100MI7W		
3ØY 347/600	50					Non-Fusible	<input type="checkbox"/> CD5100MI5W		

NOTE: 100A Mechanical Interlocks with Fuse or Circuit Breaker Access Panel Options are also available. Contact your CWD representative.

**Specification Information:**

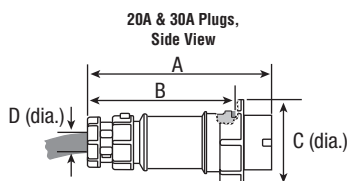
Pin & Sleeve Mechanical  
Interlocks: E-18

## 20A & 30A Receptacles



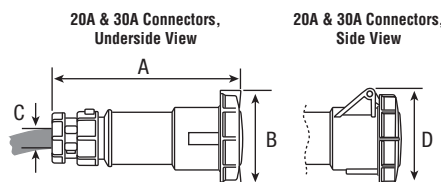
Family	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>20 Amp</b> 2-P, 3-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	2.80" (7.11cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.09" (7.85cm)	2.20" (5.59cm)	1.12" (2.85cm)	2.74" (6.96cm)	2.74" (6.96cm)	2.76" (7.01cm)
<b>20 Amp</b> 3-P, 4-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.07" (7.80cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.44" (8.74cm)	2.20" (5.59cm)	1.12" (2.85cm)	2.74" (6.96cm)	2.74" (6.96cm)	2.76" (7.01cm)
<b>20 Amp</b> 4-P, 5-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.50" (8.89cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.74" (9.50cm)	2.22" (5.64cm)	1.12" (2.85cm)	2.74" (6.96cm)	2.74" (6.96cm)	2.76" (7.01cm)
<b>30 Amp</b> 2-P, 3-W & 3-P, 4-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.76" (7.11cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.90" (9.91cm)	2.70" (6.86cm)	1.38" (3.51cm)	2.74" (6.96cm)	2.74" (6.96cm)	2.76" (7.01cm)
<b>30 Amp</b> 4-P, 5-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	4.02" (10.21cm)	3.37" (8.56cm)	0.39" (0.99cm)	4.12" (10.46cm)	2.70" (6.86cm)	1.38" (3.51cm)	2.74" (6.96cm)	2.74" (6.96cm)	2.76" (7.01cm)

## 20A & 30A Plugs



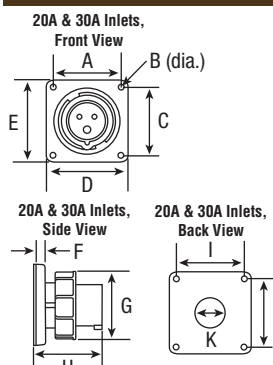
Family	A	B	C	D (cord dia.)	Threaded Entry (NPT)
<b>20 Amp</b> 2-P, 3-W	6.40" (16.26cm)	4.96" (12.60cm)	2.76" (7.01cm)	0.36-0.76" (0.91-1.93cm)	3/4" (1.91cm)
<b>20 Amp</b> 3-P, 4-W	6.69" (16.99cm)	5.26" (13.36cm)	3.07" (7.80cm)	0.36-0.76" (0.91-1.93cm)	3/4" (1.91cm)
<b>20 Amp</b> 4-P, 5-W	7.28" (18.49cm)	5.97" (15.16cm)	3.47" (8.81cm)	0.45-0.94" (1.14-2.39cm)	1" (2.54cm)
<b>30 Amp</b> 2-P, 3-W & 3-P, 4-W	7.80" (19.81cm)	6.14" (15.60cm)	3.70" (9.40cm)	0.43-0.94" (1.09-2.39cm)	1" (2.54cm)
<b>30 Amp</b> 4-P, 5-W	8.43" (21.41cm)	6.77" (17.20cm)	3.98" (10.11cm)	0.43-1.12" (1.09-2.84cm)	1 1/4" (3.18cm)

## 20A & 30A Connectors



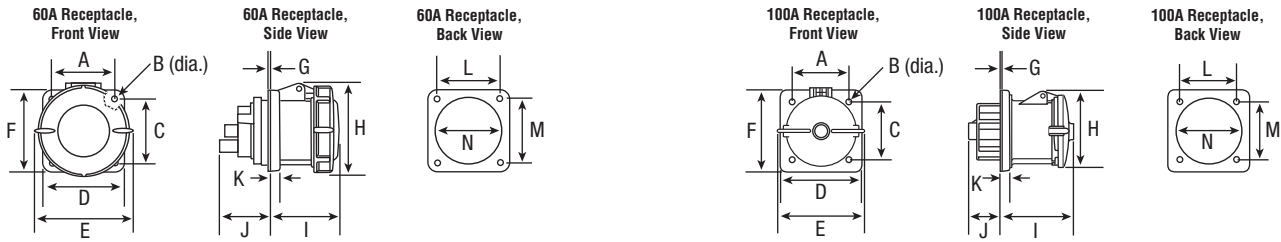
Family	A	B	C (cord dia.)	D	Threaded Entry (NPT)
<b>20 Amp</b> 2-P, 3-W	6.85" (17.40cm)	2.84" (7.21cm)	0.36-0.76" (0.91-1.93cm)	3.11" (7.90cm)	3/4" (1.91cm)
<b>20 Amp</b> 3-P, 4-W	7.28" (18.49cm)	3.11" (7.90cm)	0.36-0.76" (0.91-1.93cm)	3.47" (8.81cm)	3/4" (1.91cm)
<b>20 Amp</b> 4-P, 5-W	7.92" (20.12cm)	3.47" (8.81cm)	0.45-0.94" (1.14-2.39cm)	3.74" (9.50cm)	1" (2.54cm)
<b>30 Amp</b> 2-P, 3-W & 3-P, 4-W	8.78" (22.30cm)	3.78" (9.60cm)	0.43-0.94" (1.09-2.39cm)	3.90" (9.91cm)	1" (2.54cm)
<b>30 Amp</b> 4-P, 5-W	9.18" (23.32cm)	4.02" (10.21cm)	0.43-1.12" (1.09-2.84cm)	4.17" (10.59cm)	1 1/4" (3.18cm)

## 20A & 30A Inlets



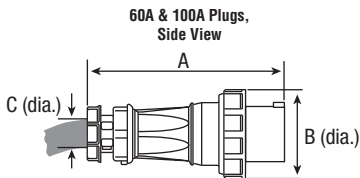
Family	A	B	C	D	E	F	G	H	I	J	K
<b>20 Amp</b> 2-P, 3-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.39" (0.99cm)	2.80" (7.11cm)	2.76" (7.01cm)	2.74" (6.96cm)	2.74" (6.96cm)	1.26" (3.18cm)
<b>20 Amp</b> 3-P, 4-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.11" (7.11cm)	2.76" (7.01cm)	2.74" (6.96cm)	2.74" (6.96cm)	1.26" (3.18cm)
<b>20 Amp</b> 4-P, 5-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.39" (0.99cm)	3.50" (8.89cm)	2.76" (7.01cm)	2.74" (6.96cm)	2.74" (6.96cm)	1.85" (4.70cm)
<b>30 Amp</b> 2-P, 3-W & 3-P, 4-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.43" (1.09cm)	3.70" (9.40cm)	2.76" (7.01cm)	2.74" (6.96cm)	2.74" (6.96cm)	1.85" (4.70cm)
<b>30 Amp</b> 4-P, 5-W	2.74" (6.96cm)	0.22" (0.56cm)	2.74" (6.96cm)	3.37" (8.56cm)	3.37" (8.56cm)	0.43" (1.09cm)	4.02" (10.21cm)	2.76" (7.01cm)	2.74" (6.96cm)	2.74" (6.96cm)	1.85" (4.70cm)

## 60A & 100A Receptacles



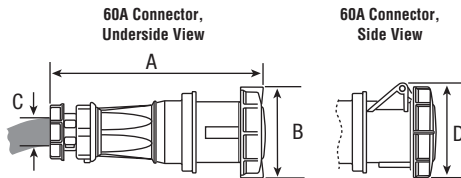
Family	A	B	C	D	E	F	G	H	I	J	K	L	M	N
<b>60 Amp</b>	3.03" (7.70cm)	0.24" (0.61cm)	3.35" (8.51cm)	3.93" (9.98cm)	4.65" (11.81cm)	4.21" (10.69cm)	0.08" (0.20cm)	4.45" (11.30cm)	3.31" (8.41cm)	2.13" (5.41cm)	0.47" (1.19cm)	3.03" (7.70cm)	3.35" (8.51cm)	3.46" (8.79cm)
<b>100 Amp</b>	4.09" (10.39cm)	0.26" (0.66cm)	4.09" (10.39cm)	5.12" (13.00cm)	5.31" (13.49cm)	5.12" (13.00cm)	0.08" (0.20cm)	4.80" (12.19cm)	4.88" (12.40cm)	1.70" (4.32cm)	0.71" (1.80cm)	4.09" (10.39cm)	4.09" (10.39cm)	3.74" (9.50cm)

## 60A & 100A Plugs

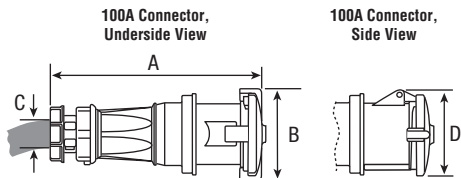


Family	A	B	D (cord dia.)	Threaded Entry (NPT)
<b>60 Amp</b>	9.69" (24.61cm)	4.49" (11.40cm)	0.57-1.42" (1.45-3.61cm)	1 1/2" (3.81cm)
<b>100 Amp</b>	11.54" (29.31cm)	5.16" (13.11cm)	0.98-1.97" (2.49-5.00cm)	2" (5.08cm)

## 60A & 100A Connectors

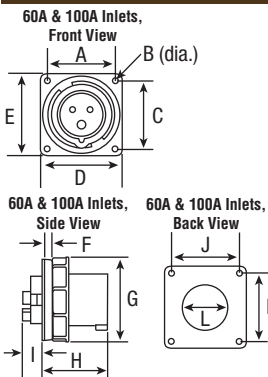


Family	A	B	C (cord dia.)	D	Threaded Entry (NPT)
<b>60 Amp</b>	10.39" (26.39cm)	4.65" (11.81cm)	0.57-1.42" (1.45-3.61cm)	4.45" (11.81cm)	1 1/2" (3.81cm)



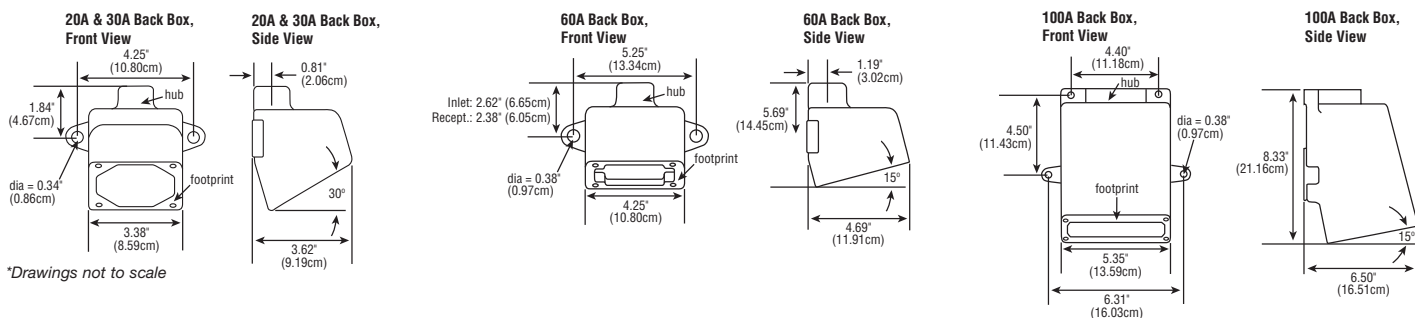
Family	A	B	C (cord dia.)	D	Threaded Entry (NPT)
<b>100 Amp</b>	12.60" (32.00cm)	5.31" (13.49cm)	0.57-1.42" (1.45-3.61cm)	4.88" (12.40cm)	2" (5.08cm)

## 60A & 100A Inlets

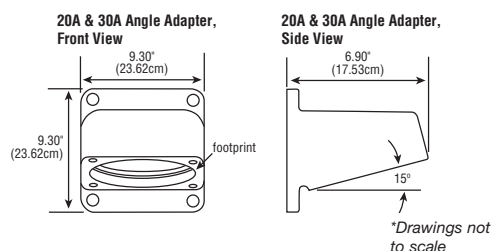


Family	A	B	C	D	E	F	G	H	I	J	K	L
<b>60 Amp</b>	3.54" (8.99 cm)	0.22" (0.56 cm)	3.54" (8.99 cm)	4.17" (10.59 cm)	4.33" (11.00 cm)	0.43" (1.09 cm)	4.45" (11.30 cm)	3.31" (8.41 cm)	1.14" (2.90 cm)	3.54" (8.99 cm)	3.54" (8.99 cm)	2.87" (7.29 cm)
<b>100 Amp</b>	4.10" (10.41 cm)	0.26" (0.66 cm)	4.10" (10.41 cm)	5.12" (13.00 cm)	5.12" (13.00 cm)	0.69" (1.75 cm)	5.20" (13.21 cm)	4.34" (11.02 cm)	1.14" (2.90 cm)	4.10" (10.41 cm)	4.10" (10.41 cm)	3.74" (9.50 cm)

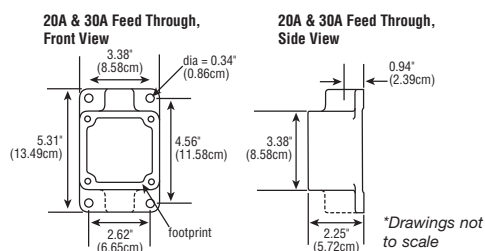
## Back Boxes



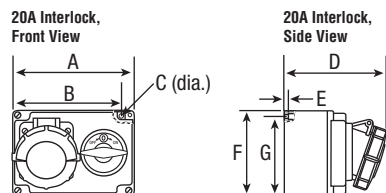
## Angle Adapter



## Feed Through

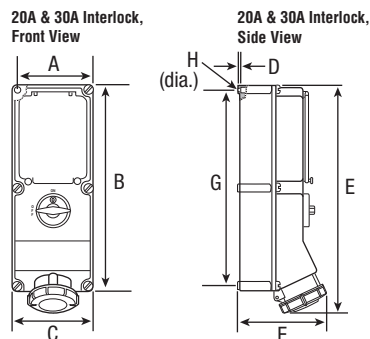


## 20A Non-Fusible Mechanical Interlocks



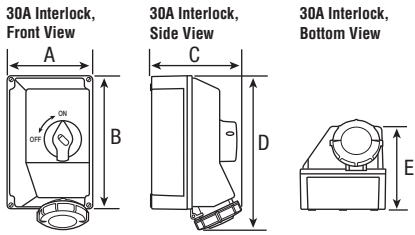
Family	A	B	C	D	E	F	G
<b>20 Amp</b> 2-P, 3-W	6.70" (17.02cm)	5.35" (13.59cm)	0.24" (0.61cm)	5.35" (13.59cm)	0.24" (0.61cm)	4.65" (11.81cm)	4.10" (10.41cm)
<b>20 Amp</b> 3-P, 4-W	6.70" (17.02cm)	5.35" (13.59cm)	0.24" (0.61cm)	5.47" (13.89cm)	0.24" (0.61cm)	4.65" (11.81cm)	4.10" (10.41cm)
<b>20 Amp</b>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

## 20A Fuse or Circuit Breaker Option Mechanical Interlocks



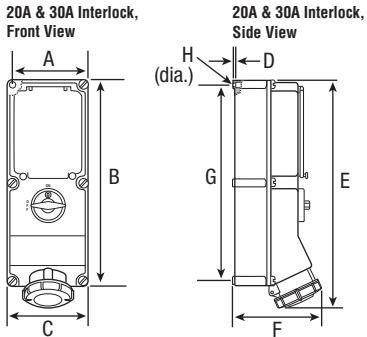
Family	A	B	C	D	E	F	G	H
<b>20 Amp</b> 3-P, 4-W	4.59" (11.66cm)	14.33" (36.40cm)	5.28" (13.41cm)	0.32" (0.81cm)	15.37" (39.04cm)	6.12" (15.54cm)	13.66" (34.70cm)	0.25" (0.64cm)

## 30A Non-Fusible & Fusible Mechanical Interlocks



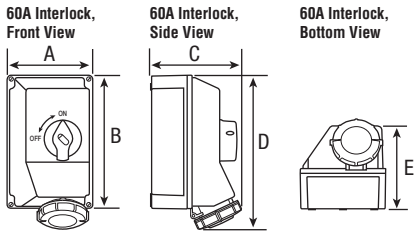
Family	A	B	C	D	E	Hub Size
<b>30 Amp</b> 2-P, 3-W	6.56" (16.66cm)	10.30" (26.16cm)	6.69" (16.99cm)	12.00" (30.48cm)	6.44" (16.36cm)	1" (2.54cm)
<b>30 Amp</b> 3-P, 4-W	6.56" (16.66cm)	10.30" (26.16cm)	6.69" (16.99cm)	12.00" (30.48cm)	6.44" (16.36cm)	1" (2.54cm)
<b>30 Amp</b> 4-P, 5-W	6.56" (16.66cm)	10.30"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

## 30A Fuse or Circuit Breaker Option Mechanical Interlocks



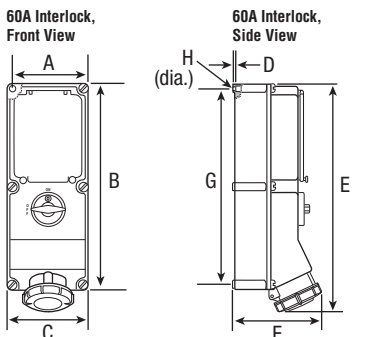
Family	A	B	C	D	E	F	G	H
<b>30 Amp</b> 3-P, 4-W	4.59" (11.66cm)	14.33" (36.40cm)	5.28" (13.41cm)	0.32" (0.81cm)	15.37" (39.04cm)	6.12" (15.54cm)	13.66" (34.70cm)	0.25" (0.64cm)
<b>30 Amp</b> 4-P, 5-W	4.59" (11.66cm)	14.33" (36.40cm)	5.28" (13.41cm)	0.32" (0.81cm)	15.37" (39.04cm)	6.12" (15.54cm)	13.66"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

## 60A Non-Fusible & Fusible Mechanical Interlocks



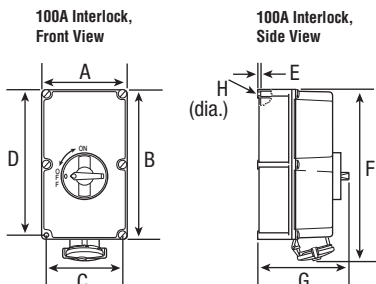
Family	A	B	C	D	E	Hub Size
<b>30 Amp</b> 2-P, 3-W	7.00" (17.78cm)	13.00" (33.02cm)	9.25" (23.50cm)	14.62" (37.13cm)	8.38" (37.13cm)	1 1/4" (3.18cm)
<b>30 Amp</b> 3-P, 4-W	7.00" (17.78cm)	13.00" (33.02cm)	9.25" (23.50cm)	14.62" (37.13cm)	8.38" (37.13cm)	1 1/4" (3.18cm)
<b>30 Amp</b> 4-P, 5-W	7.00" (17.78cm)	13.00" (33.02cm)	9.25" (23.50cm)	14.62" (37.13cm)	8.38" (37.13cm)	1 1/4" (3.18cm)

## 60A Fuse or Circuit Breaker Option Mechanical Interlocks



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

## 100A Non-Fusible Mechanical Interlocks



Family	A	B	C	D	E	F	G	H
<b>100 Amp</b> 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)
<b>100 Amp</b> 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)
<b>100 Amp</b> 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)

**IEC 309 Watertight  
Pin & Sleeve Devices**

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	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2
		• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686
		• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1
Specifications: Environmental	Flammability	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)
	Protection	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
	Cable Grip Retention	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Housing & Flange	PBT polyester & nylon/ABS blend	Type 6 nylon	Type 6 nylon	Type 6 nylon & PC/PET blend
	Back Body	N/A	Type 6 nylon	Type 6 nylon	N/A
	Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6 nylon	Type 6/6 nylon	Type 6 nylon
	Sleeves	Brass	N/A	Brass	N/A
	Contact Spring on Sleeves	Nickel-plated stainless steel	N/A	Nickel-plated stainless steel	N/A
	Pins	N/A	Nickel-plated brass	N/A	Nickel-plated brass
	External Strain Relief Clamp	N/A	PC/PET blend	PC/PET blend	N/A
	Cable Seal	N/A	EPDM rubber	EPDM rubber	N/A
	Support Washer for Cord Grip	N/A	Zinc-plated steel, chromate finish	Zinc-plated steel, chromate finish	N/A
	Rivet	PBT polyester	N/A	PBT polyester	N/A
	Bayonette Ring	N/A	PC/PET blend	N/A	PC/PET blend
	Bayonette Gasket	N/A	NBR rubber	N/A	NBR rubber
	Cover	Type 6 nylon w/ PBT locking ring	N/A	Type 6 nylon w/ PBT locking ring	N/A
	Cover Spring	Stainless steel	N/A	Stainless steel	N/A
	Cover Gasket	NBR rubber	N/A	NBR rubber	N/A
Flange Gasket	EPDM rubber	N/A	EPDM rubber	N/A	
Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Assembly Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel	

**IEC 309 Watertight  
Pin & Sleeve Devices**

**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
		<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> </ul>
	Testing & Code Compliance	<ul style="list-style-type: none"> <li>Listed to UL498, UL1682 &amp; UL1686</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498, UL1682 &amp; UL1686</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498, UL1682 &amp; UL1686</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498, UL1682 &amp; UL1686</li> </ul>
		<ul style="list-style-type: none"> <li>CSA Certified to C22.2, 182.1</li> </ul>	<ul style="list-style-type: none"> <li>CSA Certified to C22.2, 182.1</li> </ul>	<ul style="list-style-type: none"> <li>CSA Certified to C22.2, 182.1</li> </ul>	<ul style="list-style-type: none"> <li>CSA Certified to C22.2, 182.1</li> </ul>
Specifications: Environmental	Flammability	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)
	Protection	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
	Cable Grip Retention	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Housing & Flange	PBT polyester & nylon/ABS blend	Nylon/ABS blend	Nylon/ABS blend	Nylon/ABS blend
	Back Body	N/A	Nylon/ABS blend	Nylon/ABS blend	N/A
	Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon
	Sleeves	Brass	N/A	Brass	N/A
	Contact Spring on Sleeves	Nickel-plated stainless steel	N/A	Nickel-plated stainless steel	N/A
	Pins	N/A	Nickel-plated brass	N/A	Nickel-plated brass
	External Strain Relief Clamp	N/A	PC/PET blend	PC/PET blend	N/A
	Cable Seal	N/A	EPDM rubber	EPDM rubber	N/A
	Support Washer for Cord Grip	N/A	Zinc-plated steel, chromate finish	Zinc-plated steel, chromate finish	N/A
	Rivet	PBT polyester	N/A	PBT polyester	N/A
	Bayonette Ring	N/A	PBT polyester	N/A	PBT polyester
	Bayonette Gasket	N/A	NBR rubber	N/A	NBR rubber
	Cover	Type 6 nylon w/ PBT locking ring	N/A	Type 6 nylon w/ PBT locking ring	N/A
	Cover Spring	Stainless steel	N/A	Stainless steel	N/A
	Cover Gasket	NBR rubber	N/A	NBR rubber	N/A
Flange Gasket	EPDM rubber	N/A	EPDM rubber	N/A	
Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Assembly Screws	Stainless steel	Nickel-plated brass	Nickel-plated brass	Stainless steel	

**IEC 309 Watertight  
Pin & Sleeve Devices**

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	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2
		• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686	• Listed to UL498, UL1682 & UL1686
		• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1	• CSA Certified to C22.2, 182.1
Specifications: Environmental	Flammability	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)	Meets UL 94 requirements; V2 rated (housings), V0 rated (contact carriers)
	Protection	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529	Watertight to IP 67 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
	Cable Grip Retention	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Housing & Flange	PBT polyester & nylon/ABS blend	Nylon/ABS blend	Nylon/ABS blend	Nylon/ABS blend
	Back Body	N/A	Nylon/ABS blend	Nylon/ABS blend	N/A
	Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon
	Sleeves	Brass	N/A	Brass	N/A
	Contact Spring on Sleeves	Nickel-plated stainless steel	N/A	Nickel-plated stainless steel	N/A
	Pins	N/A	Nickel-plated brass	N/A	Nickel-plated brass
	External Strain Relief Clamp	N/A	PC/PET blend	PC/PET blend	N/A
	Cable Seal	N/A	EPDM rubber	EPDM rubber	N/A
	Support Washer for Cord Grip	N/A	Zinc-plated steel, chromate finish	Zinc-plated steel, chromate finish	N/A
	Rivet	PBT polyester	N/A	PBT polyester	N/A
	Bayonette Ring	N/A	PBT polyester	N/A	PBT polyester
	Bayonette Gasket	N/A	NBR rubber	N/A	NBR rubber
	Cover	Type 6 nylon w/ PBT locking ring	N/A	Type 6 nylon w/ PBT locking ring	N/A
	Cover Spring	Stainless steel	N/A	Stainless steel	N/A
	Cover Gasket	EPDM rubber	N/A	EPDM rubber	N/A
	Flange Gasket	EPDM rubber	N/A	EPDM rubber	N/A
Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Assembly Screws	Stainless steel	Nickel-plated brass	Nickel-plated brass	Stainless steel	

**IEC 309 Watertight  
 Pin & Sleeve  
 Mechanical Interlocks**

**20A**  
**2-Pole, 3-Wire Grounding**  
**3-Pole, 4-Wire Grounding; 4-Pole, 5-Wire Grounding**

	Device Type	20A Non-Fusible Mechanical Interlocks	20A Fusible Mechanical Interlocks	20A Fuse Option Mechanical Interlocks	20A Circuit Breaker Option Mechanical Interlocks
	Testing & Code Compliance	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2
		• Listed to UL508, UL1682 & UL1686	• Listed to UL98, UL1682 & UL1686	• Listed to UL508, UL1682 & UL1686	• Listed to UL508, UL1682 & UL1686
		• CSA Certified to C22.2, no. 4-M91	• CSA Certified to C22.2, nos. 4-M91 & 4-M89	• CSA Certified to C22.2, nos. 4-M91	• CSA Certified to C22.2, nos. 4-M91
Specifications: Environmental	Flammability	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated
	Protection	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Enclosure Back Housing	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Cover	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Gasket	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless
	Enclosure Fixing Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Housing & Flange	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend
	Receptacle Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon
	Receptacle Sleeves	Brass	Brass	Brass	Brass
	Contact Spring on Sleeves	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel
	Receptacle Rivet	PBT polyester	PBT polyester	PBT polyester	PBT polyester
	Receptacle Cover	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring
	Receptacle Cover Spring	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Cover Gasket	NBR rubber	NBR rubber	NBR rubber	NBR rubber
	Receptacle Flange Gasket	EPDM rubber	EPDM rubber	EPDM rubber	EPDM rubber
	Receptacle Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Receptacle Assembly Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel	

**IEC 309 Watertight  
Pin & Sleeve  
Mechanical Interlocks**

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 Fuse Option Mechanical Interlocks	30A Circuit Breaker Option Mechanical Interlocks
	Testing & Code Compliance	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2	• Conforms to IEC Standards 60309-1 and 60309-2
		• Listed to UL508, UL1682 & UL1686	• Listed to UL98, UL1682 & UL1686	• Listed to UL508, UL1682 & UL1686	• Listed to UL508, UL1682 & UL1686
		• CSA Certified to C22.2, no. 4-M91	• CSA Certified to C22.2, nos. 4-M89	• CSA Certified to C22.2, nos. 4-M91	• CSA Certified to C22.2, nos. 4-M91
Specifications: Environmental	Flammability	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated
	Protection	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Enclosure Back Housing	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Cover	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Gasket	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless
	Enclosure Fixing Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Housing & Flange	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend
	Receptacle Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon
	Receptacle Sleeves	Brass	Brass	Brass	Brass
	Contact Spring on Sleeves	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel
	Receptacle Rivet	PBT polyester	PBT polyester	PBT polyester	PBT polyester
	Receptacle Cover	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring
	Receptacle Cover Spring	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Cover Gasket	NBR rubber	NBR rubber	NBR rubber	NBR rubber
	Receptacle Flange Gasket	EPDM rubber	EPDM rubber	EPDM rubber	EPDM rubber
	Receptacle Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Receptacle Assembly Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel	

**IEC 309 Watertight  
Pin & Sleeve  
Mechanical Interlocks**

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 Fusible Mechanical Interlocks	60A Fuse Option Mechanical Interlocks	60A Circuit Breaker Option Mechanical Interlocks
	Testing & Code Compliance	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> <li>Listed to UL508, UL1682 &amp; UL1686</li> <li>CSA Certified to C22.2, no. 4-M91</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> <li>Listed to UL98, UL1682 &amp; UL1686</li> <li>CSA Certified to C22.2, nos. 4-M89</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> <li>Listed to UL508, UL1682 &amp; UL1686</li> <li>CSA Certified to C22.2, nos. 4-M91</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to IEC Standards 60309-1 and 60309-2</li> <li>Listed to UL508, UL1682 &amp; UL1686</li> <li>CSA Certified to C22.2, nos. 4-M91</li> </ul>
Specifications: Environmental	Flammability	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated	Meets UL 94 requirements; 5V rated
	Protection	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529	NEMA 4x; 12 rated enclosure Watertight to IP 66 per IEC 529
Specifications: Electrical	Dielectric Voltage	3000V	3000V	3000V	3000V
	Maximum Working Voltage	600V (rms)	600V (rms)	600V (rms)	600V (rms)
	Current Interrupting	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage	Yes, at full-rated current & voltage
	Temperature Rise	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current	Max. 30°C (86°F) after 50 cycles of overload @150% of rated current
	Endurance	5000 cycles	5000 cycles	5000 cycles	5000 cycles
Specifications: Mechanical	Voltage Ratings	Marked on device	Marked on device	Marked on device	Marked on device
	Impact Resistance	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862	CSA 22.2, 182.1, UL1862
Materials:	Enclosure Back Housing	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Cover	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®	UV stabilized Valox®
	Enclosure Gasket	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless	Poured-in-place, seamless
	Enclosure Fixing Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Housing & Flange	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend	PBT polyester & nylon/ABS blend
	Receptacle Contact Carrier/Support Isolators	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon	Type 6/6 nylon
	Receptacle Sleeves	Brass	Brass	Brass	Brass
	Contact Spring on Sleeves	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel	Nickel-plated stainless steel
	Receptacle Rivet	PBT polyester	PBT polyester	PBT polyester	PBT polyester
	Receptacle Cover	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring	Type 6 nylon w/ PBT locking ring
	Receptacle Cover Spring	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Receptacle Cover Gasket	NBR rubber	NBR rubber	NBR rubber	NBR rubber
	Receptacle Flange Gasket	EPDM rubber	EPDM rubber	EPDM rubber	EPDM rubber
	Receptacle Terminal Screws	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Receptacle Assembly Screws	Stainless steel	Stainless steel	Stainless steel	Stainless steel	

