

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
		480	2.5/5	Fusible	<input type="checkbox"/> CD330MIF6W
	3-P, 4-W	125/250	2; 5	Non-Fusible	<input type="checkbox"/> CD430MI12W
			0.5; 1.5/2; 5	Fusible	<input type="checkbox"/> CD430MIF12W
			1; 3	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB12W
		3Ø 250	1; 3	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB12W
			10	Non-Fusible	<input type="checkbox"/> CD430MI9W
			3/7.5	Fusible	<input type="checkbox"/> CD430MIF9W
		3Ø 480	7.5	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB9W
			7.5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB9W
			20	Non-Fusible	<input type="checkbox"/> CD430MI7W
		3Ø 600	5/15	Fusible	<input type="checkbox"/> CD430MIF7W
			15	Fused, w/ Access Panel	<input type="checkbox"/> CD430MIB7W
			15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD430MICB7W
	4-P, 5-W	3ØY 120/208	20	Non-Fusible	<input type="checkbox"/> CD430MI5W
			7.5/20	Fusible	<input type="checkbox"/> CD430MIF5W
			7.5	Non-Fusible	<input type="checkbox"/> CD530MI9W
3ØY 277/480		7.5	Fused, w/ Access Panel	<input type="checkbox"/> CD530MIB9W	
		7.5	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD530MICB9W	
		20	Non-Fusible	<input type="checkbox"/> CD530MI7W	
3ØY 347/600		15	Fused, w/ Access Panel	<input type="checkbox"/> CD530MIB7W	
		15	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD530MICB7W	
		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**

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	