

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	125/250	20	Non-Fusible	<input type="checkbox"/> CD360MI7W			
					3; 10	Non-Fusible	<input type="checkbox"/> CD460MI12W		
						Fusible	<input type="checkbox"/> CD460MIF12W		
						Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB12W		
					2.5; 7.5	Fused, w/ Access Panel	<input type="checkbox"/> CD460MICB12W		
						3Ø 250	20	Non-Fusible	<input type="checkbox"/> CD460MI9W
								Fusible	<input type="checkbox"/> CD460MIF9W
								Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB9W
					3Ø 480	40	3Ø 250	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB9W
								15/30	Non-Fusible
	Fusible	<input type="checkbox"/> CD460MIF7W							
	30	Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB7W						
		Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB7W						
	3Ø 600	50	3Ø 600	Non-Fusible	<input type="checkbox"/> CD460MI5W				
				Fusible	<input type="checkbox"/> CD460MIF5W				
				Fused, w/ Access Panel	<input type="checkbox"/> CD460MIB5W				
				Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD460MICB5W				
				15/30	Non-Fusible	<input type="checkbox"/> CD560MI9W			
					Fusible	<input type="checkbox"/> CD560MIF9W			
4-P, 5-W	3ØY 120/208	3ØY 120/208	Fused, w/ Access Panel	<input type="checkbox"/> CD560MIB9W					
			Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD560MICB9W					
			3ØY 277/480	40	Non-Fusible	<input type="checkbox"/> CD560MI7W			
					Fusible	<input type="checkbox"/> CD560MIF7W			
					Fused, w/ Access Panel	<input type="checkbox"/> CD560MIB7W			
	Circuit Breaker, w/ Access Panel	<input type="checkbox"/> CD560MICB7W							
	3ØY 347/600	50	3ØY 347/600	Non-Fusible	<input type="checkbox"/> CD560MI5W				
				Fusible	<input type="checkbox"/> CD560MIF5W				
				15/50	Non-Fusible	<input type="checkbox"/> CD3100MI4W			
					Fusible	<input type="checkbox"/> CD3100MIF4W			
250				15	250	Non-Fusible	<input type="checkbox"/> CD3100MI6W		
	Fusible	<input type="checkbox"/> CD3100MIF6W							
	30	Non-Fusible	<input type="checkbox"/> CD3100MI7W						
3-P, 4-W	125/250	125/250	5; 15	Non-Fusible	<input type="checkbox"/> CD4100MI12W				
			3Ø 250	25	Non-Fusible	<input type="checkbox"/> CD4100MI9W			
					Fusible	<input type="checkbox"/> CD4100MIF9W			
			3Ø 480	50	Non-Fusible	<input type="checkbox"/> CD4100MI7W			
					Fusible	<input type="checkbox"/> CD4100MIF7W			
3Ø 600	50	Non-Fusible	<input type="checkbox"/> CD4100MI5W						
4-P, 5-W	3ØY 120/208	3ØY 120/208	25	Non-Fusible	<input type="checkbox"/> CD5100MI9W				
			3ØY 277/480	50	Non-Fusible	<input type="checkbox"/> CD5100MI7W			
					Fusible	<input type="checkbox"/> CD5100MIF7W			
3ØY 347/600	50	3ØY 347/600	Non-Fusible	<input type="checkbox"/> CD5100MI5W					
			Fusible	<input type="checkbox"/> CD5100MIF5W					

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

**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	• 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	