

Motor Disconnect Switches
Type NZM(H)9-.../ZM9-...-CNA

Setting range Thermal trip for motor overload protection	Instantaneous magnetic trip	Maximum HP Rating 3 phase at				Type, without handle Article No.	Price see price list	Notes:
		200V HP	230V HP	460V HP	575V HP			
A	A							
Standard Short Circuit Rating								
Frame rated at 250A								
Line and load field-wiring terminals for cable connection supplied as standard								
63 - 100	600 - 1200	30	30	75	100	NZM9-250/ZM9-100-CNA 098041		Accessories Page Handles 09/076 Accessories 09/074 NZM9-.../ZM9-...-CNA and NZMH9-.../ZM9-...-CNA disconnect switches are UL recognized (UL 508) and CSA certified (C22.2 Nr. 14) 3-pole HP rated manual motor disconnects with built-in thermal trips for motor overload protection. An adjustable dial on the front of the switch can be set to the motor full load current. An adjustable magnetic trip provides additional protection in the case of short circuits. Per NEC, branch circuit overcurrent protection devices must be provided separately. NZM9-.../ZM9-...-CNA and NZMH9-.../ZM9-...-CNA disconnect switches are CE marked and in conformity with IEC/EN 60 947-2 (circuit breakers), which makes them suitable internationally as inverse time molded case circuit breakers with adjustable thermal and magnetic trips. Consult the technical data and Moeller Electric for IEC/EN ratings. For direct online switching of motors, use in combination with listed magnetic contactor.
100 - 160	1000 - 2000	50	60	125	150	NZM9-250/ZM9-160-CNA 024479		
160 - 200	1600 - 2400	60	75	150	200	NZM9-250/ZM9-200-CNA 038717		
200 - 250	1600 - 2400	75	75	150	225	NZM9-250/ZM9-250-CNA 052955		
With optional lower magnetic trip values ¹⁾								
63 - 100	400 - 800	30	30	75	100	NZM9-250/ZM9-100-800-CNA 035818		
100 - 160	600 - 1200	50	60	125	150	NZM9-250/ZM9-160-1200-CNA 040564		
160 - 200	1000 - 2000	60	75	150	200	NZM9-250/ZM9-200-2000-CNA 045310		
200 - 250	1000 - 2000	75	75	150	225	NZM9-250/ZM9-250-2000-CNA 047683		
High Fault Short Circuit Rating								
Frame rated at 250A								
Line and load field-wiring terminals for cable connection supplied as standard								
63 - 100	600 - 1200	30	30	75	100	NZMH9-250/ZM9-100-CNA 081435		
100 - 160	1000 - 2000	50	60	125	150	NZMH9-250/ZM9-160-CNA 090927		
160 - 200	1600 - 2400	60	75	150	200	NZMH9-250/ZM9-200-CNA 012619		
200 - 250	1600 - 2400	75	75	150	225	NZMH9-250/ZM9-250-CNA 022111		
With optional lower magnetic trip values ¹⁾								
63 - 100	400 - 800	30	30	75	100	NZMH9-250/ZM9-100-800-CNA 069039		
100 - 160	600 - 1200	50	60	125	150	NZMH9-250/ZM9-160-1200-CNA 073785		
160 - 200	1000 - 2000	60	75	150	200	NZMH9-250/ZM9-200-2000-CNA 078531		
200 - 250	1000 - 2000	75	75	150	225	NZMH9-250/ZM9-250-2000-CNA 083277		

Notes:

¹⁾ Optional magnetic trip ranges are available for some sizes of circuit breakers. Consult Moeller Electric

Type	UL/CSA Short circuit current rating RMS sym. at		
	240V AC	480V AC	600V AC
NZM9-.../ZM9-...-CNA	30 kA	25 kA	18 kA
NZMH9-.../ZM9-...-CNA	200 kA	85 kA	42 kA

Motor Disconnect Switches, 250 A
Type N9-...-CNA

UL / CSA ; IEC / EN 60 947-3

Circuit Breakers,
Disconnect Switches, Molded Case Switches

Continuous Current Rating	Maximum HP rating 3 phase at				Type without handle Article No.	Price see price list	Notes:						
	200V HP	230V HP	460V HP	575V HP									
A													
<p>UL/CSA short circuit rating at 600V AC: 10 kA RMS sym. Frame rated at 250A</p> <p>Line and load field-wiring terminals for cable connection supplied as standard</p>							<table border="1"> <tr> <th>Accessories</th> <th>Page</th> </tr> <tr> <td>Handles</td> <td>09/076</td> </tr> <tr> <td>Accessories</td> <td>09/074</td> </tr> </table>	Accessories	Page	Handles	09/076	Accessories	09/074
Accessories	Page												
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250	60	75	150	200	N9-250-CNA 031587		<p>N9-...-CNA disconnect switches are UL recognized (UL 508) and CSA certified (C22.2 Nr. 14) as 3 pole, HP rated, non-automatic manual motor disconnects without any overload or short circuit tripping element. The switching mechanism has 3 positions (OFF, "tripped", ON) and they can be equipped with voltage trip accessories, such as shunt trip and undervoltage trip coils.</p>						

Notes:

- 1) For direct online switching of motors, use in combination with a listed magnetic contactor.
- 2) N9-...-CNA disconnect switches are also CE marked and in conformity with IEC/EN 60 947-3 (switch-disconnectors), which makes them suitable internationally as main disconnect switches in a broad range of industrial applications.
- 3) Backup overcurrent protection:
Maximum fuse - 450 A
Maximum circuit breaker - 500 A