

# Circuit Breakers / Disconnect Switches / Molded Case Switches

## Ratings Overview

UL / CSA ; IEC / EN 60 947 ; CE

Instantaneous trip circuit breakers	Frame rating	UL/CSA Interrupting ratings kA RMS sym. at		
	A	240 VAC	480 VAC	600 VAC
<b>Instantaneous trip type circuit breakers</b> UL 489 / CSA 22.2 No. 5.1				
NZMH4-....-OBI-CNA NZMH4-....-OBI-Form CDN	2.1 - 18	UL recognized and CSA certified instantaneous trip circuit breakers no longer carry interrupting ratings as stand-alone devices.		
NZM6B-.../ZM6-....-OBI-CNA NZMH6-.../ZM6-....-OBI-CNA	0.6 - 125 33 - 125	Per the intent of NEC Article 430-52, an instantaneous trip circuit breaker shall be used only if part of a listed combination motor controller. Short circuit ratings are, therefore, established and valid only for the listed combination motor controller assembly and associated housing or enclosure.		
NZM9-.../ZM9-....-OBI-CNA NZMH9-.../ZM9-....-OBI-CNA	63 - 250 63 - 250	Consult Section 03 of this catalog for combination motor controller short circuit ratings as standard starters featuring NZM instantaneous trip circuit breakers. Consult Moeller Electric for combination motor controller high fault short circuit ratings as motor control center unit starters featuring NZM instantaneous trip circuit breakers.		
NZM10-...N/ZM-....-OBI-CNA NZM10-...H/ZM-....-OBI-CNA	400 - 600			

## UL/CSA Short circuit ratings

Motor disconnect switches		UL/CSA Short circuit ratings			
UL 508 / CSA 22.2 No. 14, IEC/EN 60 947-2, CE					
HP rated, with adjustable thermal and magnetic trips	NZMH4-....-CNA <sup>1)</sup>	4 - 80	100	25	25
	NZM6B-.../ZM6-....-CNA	15 - 125	25	25	14
	NZMH6-.../ZM6-....-CNA	15 - 125	100	65	25
	NZM9-.../ZM9-....-CNA	63 - 250	30	25	18
	NZMH9-.../ZM9-....-CNA	63 - 250	200	85	42
Motor disconnect switches		UL/CSA Short circuit ratings			
UL 508 / CSA 22.2 No. 14, IEC/EN 60 947-3, CE					
HP rated, without trip elements	N6-...-CNA	150	10	10	10
	N9-...-CNA	250	10	10	10
	N12-....-CNA <sup>2)</sup>	1200	42	42	42
Molded case switches		UL/CSA Short circuit ratings			
UL 489 / CSA 22.2 No.5.2, IEC/EN 60 947-3, CE					
Without trip elements	NZM7-...-NA(-M8)	200	25	25	18
	NZM10-...N/B-NA	600	25	25	25
	P3-100-MCS <sup>3)</sup>	100A @ 480V		10kA when protected by a 100A fuse	
	N12-1200-NA	1100A	20	20	20

## Notes

- <sup>1)</sup> NZMH4-....-CNA in the range of 4 - 16A, UL/CSA only  
<sup>2)</sup> N12-... UL/CSA only.  
 Consult the technical data and Moeller Electric for IEC/EN ratings.  
<sup>3)</sup> Consult Moeller Electric for information regarding this switch.