Circuit-breakers, switch-disconnectors, UL/CSA IEC

## Circuit-breakers UL/CSA, IEC, electronic releases

<u>xEnergy</u>	NZM3, NZM4			Moeller HPL021	1-2007/2008	http://catalog.moeller.net
	Rated current = rated uninterrupted current	Setting range			Normal switching capacity 85 kA 240 V 60 Hz 42 kA 480 V 60 Hz <sup>1)</sup> 35 kA 600 V 60 Hz <sup>2)</sup>	
		Overload releases	Short-circuit releas	ses	Part no.	Price
			Non-delayed	Delayed	Article no.	see price list
	$I_{n} = I_{u}$	$I_{r}$	$I_{i}$	$I_{sd}$		
	А	A H	A I>	$\stackrel{A}{\boxtimes I} > 1$		
		<del></del>				
	transformer and generato	r protection				
3 pole	overload releases					
	rews standard, terminals as a	ccessories				
	100	50100	1200	1001000	<b>NZMN2-VE100-NA</b> 271148	
	160	80160	1920	1601600	<b>NZMN2-VE160-NA</b> 271149	
O SONO	250	125250	3000	2502500	<b>NZMN2-VE250-NA</b> 271150	
	250	125250	5002750	2502500	NZMN3-VE250-NA 269332	
崩	400	200400	8004400	4004000	NZMN3-VE400-NA 269333	
©X OX O	600	300600	12004800	4504200	<b>NZMN3-VE600-NA</b> 269334	
	800	400800	16009600	8008000	NZMN4-VE800-NA 271154	
0 0	1000	5001000	200012000	100010000	NZMN4-VE1000-NA 271155	
	1200	6301200	240014400	126012000	NZMN4-VE1200-NA 271156	
Notes	Nata Cara Cara Cara Cara Cara Cara Cara C	> 10/FF				
Notes	Notes for terminals -	<del>→</del> 10/55				

Notes	Notes for terminals → 10/55

Notes for terminals → 10/51

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	Rated current = rated uninterrupted current	Setting range	Normal switching capacity 240 V 60 Hz 480 V 60 Hz 600 V 60 Hz
	$I_{n} = I_{u}$ A	Short-circuit releases $I_i$ A $I > I$	Part no. Article no.
<ul><li>With short-circuit rel</li><li>Without overload rel</li><li>3 pole</li></ul>	njunction with contactor and overload relay ease ease		
Terminal screws s	standard, terminals as accessories		
	90	1801260	<b>NZMN2-SE90-CNA</b> 271160
	140	2801960	NZMN2-SE140-CNA 271161
Croxo	220	4403080	NZMN2-SE220-CNA 271162
	220	4403080	NZMN3-SE220-CNA 269341
	350	7004900	NZMN3-SE350-CNA 269342
O NO NO	450	9006300	NZMN3-SE450-CNA 284465

<u>xEnergy</u> High switching capacity 150 kA 240 V 60 Hz 100 kA 480 V 60 Hz3) 50 kA 600 V 60 Hz4) Part no. Price Std. pack Notes Article no. see price list Switches conform to UL/CSA as well as the IEC regulations. NZMH2-VE100-NA 1 off IEC switching performance values are contained on the rating plate. UL 489, CSA-C22.2-5.1, IEC/EN 60947-2 271151 Use in motor control circuits only in conjunction with a suitable contactor. NZMH2-VE160-NA 271152 Adjustable overload releases Ir NZMH2-VE250-NA •  $0.5 - 1 \times I_n$ 271153 R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks  $t_r \cdot 2 - 20 \text{ s}$  with  $6 \times I_r$  (ex-works 10 s) NZMH3-VE250-NA 269335 Adjustable delayed short-circuit releases  $I_{sd}$ NZMH3-VE400-NA •  $2-10 \times I_r$  (ex-works  $6 \times I_r$ ) 269336 - NZM...3-VE600-NA:  $1.5 - 7 \times I_r$  (ex-works  $6 \times I_r$ ) NZMH3-VE600-NA Adjustable delay time  $t_{sd}$  • Steps: 0, 20, 60, 100, 200, 300, 500, 750, 1000 ms (ex-works 0 ms) 269337 Adjustable non-delayed short-circuit releases  $I_{\rm i}$  • NZM2: fixed 12  $\times$   $I_{\rm n}$ NZMH4-VE800-NA 271157 • NZM...3-VE250/400-NA:  $2-11\times I_n$  (ex-works  $11\times I_n$ ) • NZM...3-VE600-NA:  $2-8\times I_n$  (ex-works  $8\times I_n$ ) • NZM...4-VE...-NA:  $2-12\times I_n$  (ex-works  $12\times I_n$ ) NZMH4-VE1000-NA 271158 NZMH4-VE1200-NA i<sup>2</sup>t constant function 271159 NZM2 fixed OFF NZM3, NZM4 switched (ex-works OFF) <sup>1)</sup> Normal switching capacity for NZMN2-...-NA: 35 kA/480 V
<sup>2)</sup> Normal switching capacity for NZMN2-...-NA: 25 kA/600 V
<sup>3)</sup> High switching capacity for NZMH4-...-NA: 125 kA/240 V

4) High switching capacity for NZMH4-...-NA: 85 kA/480 V

Std. pack Notes

http://catalog.moeller.net

Moeller HPL0211-2007/2008



1 off

Switches conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. UL 489, CSA-C22.2-5.1, IEC/EN 60947-2and IEC/EN 60947-4

Adjustable short-circuit releases Ii •  $2-14 \times I_n$  (ex-works  $12 \times I_n$ )

Without overload release I<sub>r</sub>



CNA: The device has components approved to UL, the conditions of approval must be observed during use. I.e. the device must be combined with a suitable contactor and overload relay. A switching capacity is stated for the complete motor-starter combination.

The device is approved as a CSA approved single device.