

Moeller® series

NZM3-SVE



Maximum system availability thanks to
plug-in circuit-breakers NZM3-SVE

EATON

Powering Business Worldwide

Plug-in Circuit-Breakers/Switch-Disconnectors



Safe and easy electrical separation of the system for service purposes or while replacing the circuit-breaker. An auxiliary-conductor connector allowing to plug in either an operating current/undervoltage trip, a remote control or an auxiliary contact is available as an option. It enables the user to do the functions test without closing/opening any active main conductor lines. The range of accessories including the connecting technology for the fixed switchgear system can be used for it without any restrictions.



Advantages:

Easy and safe to replace

- Safe
 - visible isolation gap
 - automatic tripping upon removal of the circuit-breaker
 - live parts in the socket are touch-protected while the circuit-breaker is removed
- Easy
 - same accessories as for the NZM series
 - same connection technology
 - the connecting line terminal does not need to be disconnected when replacing the circuit-breaker
 - the auxiliary conductor plug-in unit allows testing the functionality without disconnecting the control lines

Areas of application:

Applications requiring a high level of system availability and safety, e.g.:

- Naval / marine & offshore applications
- Industry
- Renewable energy
- Mining
- Classic power distribution
- Chemical industry
- Power generation



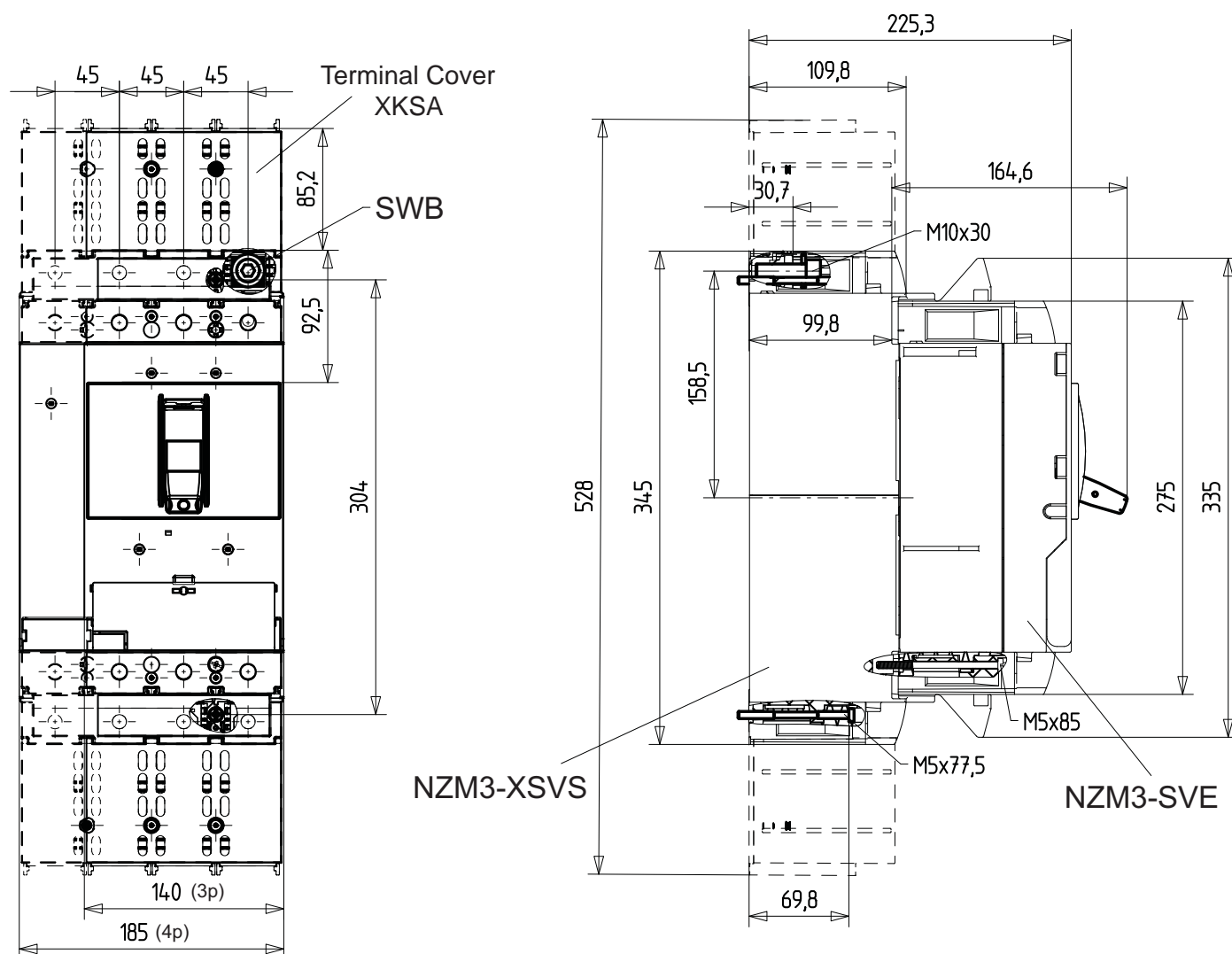
Technical data	
Rated operating voltage:	max. 690V
Rated operating current:	250-500A to 40°C without derating
Rated short-circuit breaking capacity:	to 150kA by 415VAC
Built-in position:	Vertical, left 90° / right 90°

For more technical details, please refer to our main catalogue or visit our website (www.eaton.eu)

Derating Table

Ambient temperature °C	20	30	40	50	60	65	70
NZM...3-(4-)(A) 320-400	1	1	1	1	1	1	1
NZM...3-(4-)(A) 500	1	1	1	0,94	0,88	0,85	0,82
NZM...3-(4-)(AE)(VE)(ME)250-400	1	1	1	1	1	1	1
NZM...3-(4-)(AE)(VE)(ME)630	0,98	0,94	0,89	0,85	0,80	0,77	0,75








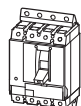
Dimensions for three and four-pole Circuit-breakers/Switch-disconnectors



Circuit-Breakers

Circuit Breakers, thermomagnetic releases, 3- and 4-pole




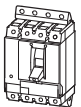

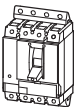


NZM

		Switching capacity 400/415V 50/60 Hz I_{cu} kA	Rated current = Rated uninterrupted current $I_n = I_u$ A	Setting range Overload release I_r A	Setting range Short-circuit release Non-delayed $I_i = I_n \times \dots$	Part no. Article no.
						
System and Cable Protection						
Comfort switching capacity						
	3-pole	36	320	250-320	6-10	NZMC3-A320-SVE 168450
			400	320-400	6-10	NZMC3-A400-SVE 168451
			500	400-500	6-10	NZMC3-A500-SVE 168452
	4-pole	36	320	250-320	6-10	NZMC3-4-A320-SVE 168464
			320/200	250-320	6-10	NZMC3-4-A320/200-SVE 168465
			400	320-400	6-10	NZMC3-4-A400-SVE 168466
			400/250	320-400	6-10	NZMC3-4-A400/250-SVE 168467
			500	400-500	6-10	NZMC3-4-A500-SVE 168468
			500/320	400-500	6-10	NZMC3-4-A500/320-SVE 168469
Normal switching capacity						
	3-pole	50	320	250-320	6-10	NZMN3-A320-SVE 168486
			400	320-400	6-10	NZMN3-A400-SVE 168487
			500	400-500	6-10	NZMN3-A500-SVE 168488
	4-pole	50	320	250-320	6-10	NZMN3-4-A320-SVE 168508
			320/200	250-320	6-10	NZMN3-4-A320/200-SVE 168509
			400	320-400	6-10	NZMN3-4-A400-SVE 168510
			400/250	320-400	6-10	NZMN3-4-A400/250-SVE 168511
			500	400-500	6-10	NZMN3-4-A500-SVE 168512
			500/320	400-500	6-10	NZMN3-4-A500/320-SVE 168513
High switching capacity						
	3-pole	150	320	250-320	6-10	NZMH3-A320-SVE 168913
			400	320-400	6-10	NZMH3-A400-SVE 168914
			500	400-500	6-10	NZMH3-A500-SVE 168915
	4-pole	150	320	250-320	6-10	NZMH3-4-A320-SVE 168889
			320/200	250-320	6-10	NZMH3-4-A320/200-SVE 168890
			400	320-400	6-10	NZMH3-4-A400-SVE 168891
			400/250	320-400	6-10	NZMH3-4-A400/250-SVE 168892
			500	400-500	6-10	NZMH3-4-A500-SVE 168893
			500/320	400-500	6-10	NZMH3-4-A500/320-SVE 168894

Circuit-Breakers

Circuit Breakers, electronic releases, 3- and 4-pole






NZM

		Switching capacity 400/415V 50/60 Hz I_{cu} kA	Rated current = Rated uninterrupted current $I_n = I_u$ A	Setting range Overload release I_r A	Setting range Short-circuit release Non-delayed $I_i = I_n \times \dots$	Part no. Article no.
						
System protection, Cable Protection, selectivity, generator protection						
Normal switching capacity						
	3-pole	50	250	125-250	2-10	NZMN3-VE250-SVE 168480
			400	200-400	2-10	NZMN3-VE400-SVE 168481
			630	315-630	2-8	NZMN3-VE630-SVE 168482
	4-pole	50	400	200-400	2-10	NZMN3-4-VE400-SVE 168506
			400/250	200-400/125-250	2-10	NZMN3-4-VE400/250-SVE 168514
			630	315-630	1,5-7	NZMN3-4-VE630-SVE 168507
			630/400	315-630/200-400	1,5-7	NZMN3-4-VE630/400-SVE 168515
High switching capacity						
	3-pole	150	250	125-250	2-11	NZMH3-VE250-SVE 168907
			400	200-400	2-11	NZMH3-VE400-SVE 168908
			630	315-630	2-8	NZMH3-VE630-SVE 168909
	4-pole	150	400	200-400	2-11	NZMH3-4-VE400-SVE 168887
			400/250	200-400/125-250	2-11	NZMH3-4-VE400/250-SVE 168895
			630	315-630	2-8	NZMH3-4-VE630-SVE 168888
			630/400	315-630/200-400	2-8	NZMH3-4-VE630/400-SVE 168896
Motor protection						
• With phase-failure sensitivity						
Normal switching capacity						
	3-pole	50	220	110-220	2-14	NZMN3-ME220-SVE 168483
			350	175-350	2-14	NZMN3-ME350-SVE 168484
			450	225-450	2-14	NZMN3-ME450-SVE 168485
High switching capacity						
	3-pole	150	220	110-220	2-14	NZMH3-ME220-SVE 168910
			350	175-350	2-14	NZMH3-ME350-SVE 168911
			450	225-450	2-12	NZMH3-ME450-SVE 168912

Circuit-Breakers,

Circuit Breakers, magnetic short-circuit releases, 3- and 4-pole



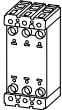

NZM

		Switching capacity 400/415V 50/60 Hz I_{cu} kA	Rated current = Rated uninterrupted current $I_n = I_u$ A	Setting range Overload release I_r A 	Setting range Short-circuit release Non-delayed $I_i = I_n \times \dots$ 	Part no. Article no.
Short-Circuit protection						
Motor protection in conjunction with overload relay						
<ul style="list-style-type: none"> • With short-circuit releases • Without overload releases 						
Comfort switching capacity						
	3-pole	36	250	N/A	8-14	NZMC3-S250-SVE 168453
			320	N/A	8-14	NZMC3-S320-SVE 168454
			400	N/A	6-10	NZMC3-S400-SVE 168455
			500	N/A	6-10	NZMC3-S500-SVE 168456
Normal switching capacity						
	3-pole	50	250	N/A	8-14	NZMN3-S250-SVE 168489
			320	N/A	8-14	NZMN3-S320-SVE 168490
			400	N/A	6-10	NZMN3-S400-SVE 168491
			500	N/A	6-10	NZMN3-S500-SVE 168492
High switching capacity						
	3-pole	150	250	N/A	8-14	NZMH3-S250-SVE 168916
			320	N/A	8-14	NZMH3-S320-SVE 168917
			400	N/A	8-14	NZMH3-S400-SVE 168918
			500	N/A	8-14	NZMH3-S500-SVE 168919

Switch-disconnectors and Accessories

3- and 4-pole

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		Rated current = Rated uninterrupted current In = Iu A	Short-circuit protection, max. fuse gL-characteristic A gL		Part no. Article no.
2 switch positions I, 0					
	3-pole	400	630		N3-400-SVE 168544
		630	630		N3-630-SVE 168545
	4-pole	400	630		N3-4-400-SVE 168470
		630	630		N3-4-630-SVE 168471
Plug-in units					
For circuit-breakers NZM and switch-disconnectors N					
Ue max 690V					
Plug-in Socket					
	3-pole				NZM3-XSVS 168472
	4-pole				NZM3-4-XSVS 168473
Control circuit plug unit					
	For auxiliary contact shunt/undervoltage release				NZM2-XSVHI 266705
	For remote operator				NZM2-XSVR 266706

Eaton is dedicated to ensuring that reliable, efficient and safe power is available when it's needed most. With unparalleled knowledge of electrical power management across industries, experts at Eaton deliver customized, integrated solutions to solve our customers' most critical challenges.

Our focus is on delivering the right solution for the application. But, decision makers demand more than just innovative products. They turn to Eaton for an unwavering commitment to personal support that makes customer success a top priority.

For more information, visit www.eaton.eu/electrical



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Eaton Industries (Austria) GmbH
Scheydgasse 42
1215 Wien
Austria

Eaton Industries Manufacturing GmbH
EMEA Headquarters
Route de la Longeraie
1110 Morges
Switzerland

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