## DATASHEET - NZMN2-VE250-SVE

Circuit-breaker, 3p, 250A, plug-in module



Part no.	NZMN2-VE250-SVE
	113249
EL Number	4357018
(Norway)	

## **General specifications**

Point nume     Exam Mode scale arise XM mode dcase		
EAH Frede: Leight/Gaphi   Preduct height/Gaphi 155 millimers   Preduct wight/Gaphi 155 millimers   Preduct wight/Gaphi 155 millimers   Constances 155 millimers   Constances 155 millimers   Constances 155 millimers   Preduct Wight/Gaphi 155 millimers   Constances 155 millimers   Preduct Trademann 155 millimers   Rademann 155 millimers   Rademann 155 millimers   Preduct Trademann 155 millimers   Rademann 155 millimers   Radmann <td>Product name</td> <td>Eaton Moeller series NZM molded case circuit breaker electronic</td>	Product name	Eaton Moeller series NZM molded case circuit breaker electronic
Product Length     180 millinetie       Product tength     250 millinetie       Product weight     250 Millinetie       Compliances     250 Millinetie       Compliances     100 Statumers       Compliances     100 Statumers       Conditions     100 Statumers       Product Weight     100 Statumers       Product Tealmann     100 Statumers       Research Tealmann     100 Statumers       Research Tealmann     100 Statumers       Number of Joles     100 Statumers       Number of Joles     100 Statumers       Research Tealmann     100 Statumers       Special Tealmann     100 Statumers       Special Tealmann     <	Part no.	NZMN2-VE250-SVE
Product weight 25 millinesce   Product weight 100 millinesce   Compliances 100 millinesce   Compliances 100 millinesce   Product weight 8045 conferm   Product Todename 100 millinesce   Prod	EAN	4015081127849
Preduct width 105 millimene   Preduct wight 2026 kilog am   Compliances 105 millimene   Particulations 100 millimene   Preduct wight 10	Product Length/Depth	180 millimetre
Product weight 235 klagram   Company: Ratis Conterm   Continuations Ratis Conterm   Product Tooleane NAM   Product Tooleane NAM   Product Tooleane NAM   Product Tooleane NAM   Product Tooleane Retrained tooleane   Product Tooleane Retrained tooleane   Product Sub Tope Retrained tooleane   Product Sub Tope Retrained tooleane   Product Sub Tope Retrained tooleane   Application Retrained tooleane   Circuit breaker frame tope NAM   Accessories regined NAM   Number of poles Three pole   Amproage Rating PoterColon unit   Retease system PoterColon unit   Retease system PoterColon unit   Retease system Three pole   Amproage Rating PoterColon unit   Number of poles Maximum back tool pole (Retease active tool pole (Retease active tool pole (Retease active explored)   Retease system PoterColon unit   Retease active active active explored activ	Product height	245 millimetre
CompliancesRelS canformContilicationsEVER MISSERT ECCN MISSERT ECCN MISSERT ECCN MISSERT ECCN MISSERT ECCN MISSERT Product Tables Product Tabl	Product width	105 millimetre
Certifications     IECEN 65847       Product Tradename     NZM       Product Type     Moded case circuit breaker       Product Type     Betchane       Product Type     Betchane       Application     Betchane       Circuit breaker frame type     NZM       Accessories required     NZMS       Accessories required     NZMS       Accessories required     NZMS       Number of golds     NZMS       Accessories required     NZMS       Release system     Excension required       Release system     Excension required       Release system     Excension release       Release system     Excension release       Release system     Researchane recease threader of the circuit breaker frame of the maintened research release of the circuit breaker frame of the circuit breaker fram	Product weight	2.926 kilogram
Product Tayle     IC       Product Tayle     INZMA       Product Tayle     Interaction       Point Sub Tayle     Interaction       Application     Interaction       Application     Interaction       Application     Interaction       Application     Interaction       Application     Interaction       Application     Interaction       Accessories required     Interaction	Compliances	RoHS conform
Product Type     Model case circuit breaker       Peduct Sub Type     Electronic       Divery program     Electronic       Application     Circuit breaker       Graut breaker     NZM2       Accessories required     NZM2       Reade system     Electronic ontel       Features     Solie if statures       Special features     Noted on expected ontel, circuit breaker (faated short-circuit breaker (faated s	Certifications	
Poduct Sub Type Person   Policy program Image: Sub	Product Tradename	NZM
Delivery program     Projection       Application     Use in uncarthed supply systems at 680 V       Type     NZMA       Circuit breaker frame type     NZMA       Accessories required     NZMA       Number of poles     NZMA       Angenzes Rating     NZMA       Reloase system     Social features       Special features     Protocion unit       Special features     Massum backer (vince (vincesson)       Special features     Nasum backer (vince (vincesson)       Voltager atting     Massum backer (vince) (vince)       Rester insulation voltage (Vin)     Massum backer (vince)       Rester insulation voltage	Product Type	Molded case circuit breaker
Application     Use in unearthed supply systems at 580 V       Type     Circuit treaker       Accessorie required     XZM2 XSVS       Number of poles     XZM2 XSVS       Anparage Rating     ZSDA XSVS       Release system     Features       Features     Partencino release       Special features     Partencino release       Voltage rating     Partencino release       Release system     Partencino release       Features     Release system       Release system     Partencino release       Release system concent function: fixed of the circuit treates dont circuit treate	Product Sub Type	Electronic
Typ     Circuit breaker frame type     Circuit breaker frame type       Circuit breaker frame type     K2M2/XSVS       Number of poles     ZM2/XSVS       Amperage Rating     These pole       Release system     Electronic release       Potaction with Special features     Electronic release       Special features     Electronic release       Special features     Electronic release       Voltage rating     Foreaction with Motor drive optional       Voltage rating     Electronic release       Voltage rating     Electronic release       Notaction with ack-up facts in a back-up facts, with the expected short-circuit urrents at a fact installation breaction expecting active of the circuit urrents at the installation for the expecting in a work concerne current peaks at a fact installation for the expecting in a work concerne current peaks at a fact installation for the expecting in a work concerne current peaks at a fact installation for the expecting in a work concerne current peaks at a fact installation for the expecting in a work concerne current peaks at a fact installation for the insultation works and work age (Ump) at a work concerne current peaks at a fact insultation for the insultation works and work age (Ump) at a work concerne current peaks at a fact insultation for the insultation works and outgen (Ump) at a work concerne current peaks at a fact insultation for the insultation works and outgen (Ump) at a work concerne current peaks at a fact insultatin for the insultatin work that durrent (t = 1 s)	Delivery program	
Circuit breaker frame type M2M2   Accessories required M2M2   Accessories required M2M2   Amperage Rating Electronic release   Release system Electronic release   Features Protection unit Moore drive optional   Special features Protection unit Moore drive optional   Special features Protection unit Moore drive optional   Voltage rating Maximum Backup face, if the expected short-circuit currents at the installation location exceed the system and "thermal memory" Adjustable modelsy setting concernation the system at a transmitterion for constant methods face (Unit)   Yoltage rating Maximum Backup face, if the expected short-circuit currents at the installation location exceed the system and "thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location exceed the system and "thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location exceed the system and "thermal memory" Adjustable modelsy setting concernation the system at a transmitterion from system and "thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location existem and thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location existem and thermal memory" Adjustable modelsy setting concernation the system and thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location existem and thermal memory" Adjustable modelsy setting concernation the exist of a sket installation location existem and thermal memory" Adjustable modelsy setting concernating thermal memory" Adjustable modelsy setting concernati	Application	Use in unearthed supply systems at 690 V
Accessories required     ZM2-XSVS       Number of poles     Three-pole       Apperage Rating     Electronic relaxes       Relaxes system     Fedetronic relaxes       Petures     Fedetronic relaxes       Special features     Maximum back-up feasion unit Maximum back-up feasion unit and unit relaxed el hort-circuit urrents at the installation location exceed the switching capacity of the circuit breaker (Related short-circuit bre	Туре	Circuit breaker
Number of poins   The pole     Amporage Rating   250 A     Release system   250 A     Peatures   Bectronic release (not on unit it on unit it on the system) are posted short-circuit currents at the installation observed the switching capacity of the circuit currents at the installation index and the system is graphicly of the circuit currents at the installation index and the switching capacity of the circuit currents at the installation index and the switching capacity of the circuit currents at the installation index and the switching capacity of the circuit currents at the installation index and the switching capacity of the circuit current state (stated short-circuit current state) (stated short-circuit state) (stated short-circuit state) (stated short-circuit current state) (stated short-circuit state) (stated short-circuit current state) (stated short-circuit state) (stated shor	Circuit breaker frame type	NZM2
Amparage Rating     250 A       Release system     Electronic release       Features     Protection unit       Special features     Maximum back-up fuse, if the expected short-circuit currents at the installation for eaking capacity (ori)       Special features     Maximum back-up fuse, if the expected short-circuit currents at the installation for eaking capacity (ori)       Technical Data - Electrical     Maximum back-up fuse, if the expected short-circuit present Relet sh	Accessories required	NZM2-XSVS
Release system   Features     Features   Protection unit     Special features   Motor drive option in     Special features   Motor drive option in driven all memory"     Advisor drive option in driven all memory"   Advisor drive option in the delay stifting to overcome current peaks tr at 6 x 1r also infinity trivind vortrad releases)     Technical Data - Electrical   Motor drive option in the delay stifting to overcome current peaks tr at 6 x 1r also infinity trivind vortrad releases)     Votrage rating   Motor drive option in the delay stifting to overcome current peaks tr at 6 x 1r also infinity trivind vortrad releases)     Rated insulation voltage (Uimp) at auxiliary contacts   Motor drive option in the delay stifting to overcome current peaks tr at 6 x 1r also infinity trivind vortrad releases)     Rated insulation voltage (Uimp) at auxiliary contacts   Motor drive option in the delay stifting to overcome current peaks tr at 6 x 1r also infinity trivind vortrad releases)     Rated insulation voltage (Uimp) at auxiliary contacts   Motor drive option in the delay stifting drive option trivind duarent (t = 0.3)	Number of poles	Three-pole
Features   Protection unit     Special features   Motor drive optional     Motor drive optional   Motor drive optional     Motor drive optional <t< td=""><td>Amperage Rating</td><td>250 A</td></t<>	Amperage Rating	250 A
Base of the source of	Release system	Electronic release
Instantaneous current setting (H) - max   Image: Comparison of the solution of the	Features	
Voltage rating600 V 680 VRated insulation voltage (Uim) at auxiliary contacts1000 V ACRated impulse withstand voltage (Uimp) at main contacts6000 VRated impulse withstand current (t = 0.3 s)1.9 kARated short-time withstand current (t = 1.3 s)1.9 kARated short-time withstand current (t = 1.3 s)3000 AInstantaneous current setting (ii) - min3000 AInstantaneous current setting (ii) - max3000 AOverload current setting (lsd) - min125 AShort-circuit release delayed setting - min2500 AShort-circuit release non-delayed setting - min2500 AShort-circuit release non-delayed setting - max3000 A <t< th=""><th>Special features</th><th>location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x Ir also infinity (without overload releases) Adjustable delay time tsd i<sup>2</sup>t constant function: fixed OFF</th></t<>	Special features	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x Ir also infinity (without overload releases) Adjustable delay time tsd i <sup>2</sup> t constant function: fixed OFF
Rated insulation voltage (Ui)1000 V ACRated inpulse withstand voltage (Uimp) at auxiliary contacts6000 VRated inpulse withstand voltage (Uimp) at main contacts8000 VRated short-time withstand current (t = 0.3 s)1.9 kARated short-time withstand current (t = 1 s)0.000 AInstantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (lr) - min125 AOverload current setting (lsd) - min2500 AShort delay current setting (lsd) - min2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - min2500 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AS	Technical Data - Electrical	
Rated inpulse withstand voltage (Uimp) at auxiliary contacts6000 VRated inpulse withstand voltage (Uimp) at main contacts6000 VRated short-time withstand current (t = 0.3 s)1.9 kARated short-time withstand current (t = 1 s)1.9 kAInstantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (li) - max250 AOverload current setting (lsd) - max250 AShort delay current setting (lsd) - max250 AShort-circuit release delayed setting - max250 AShort-circuit release delayed setting - max250 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz8 kA	Voltage rating	690 V - 690 V
Rated impulse withstand voltage (Uimp) at main contacts8000 VRated short-time withstand current (t = 0.3 s)19 kARated short-time withstand current (t = 1 s)19 kAInstantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (lr) - max3000 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max2500 AShort-circuit release delayed setting - min250 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz3000 A	Rated insulation voltage (Ui)	1000 V AC
Rated short-time withstand current (t = 0.3 s)1.9 kARated short-time withstand current (t = 1 s)1.9 kAInstantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (lr) - min125 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max2500 AShort- circuit release delayed setting - min250 AShort-circuit release delayed setting - min250 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit releas	Rated impulse withstand voltage (Uimp) at auxiliary contacts	6000 V
Rated short-time withstand current (t = 1 s)1.9 kAInstantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (lr) - min125 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max2500 AShort delay current setting (lsd) - max2500 AShort delay current setting (lsd) - max2500 AShort-circuit release delayed setting - min2500 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-dela	Rated impulse withstand voltage (Uimp) at main contacts	8000 V
Instantaneous current setting (li) - min3000 AInstantaneous current setting (li) - max3000 AOverload current setting (lr) - min125 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max2500 AShort delay current setting (lsd) - max2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - max3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ls (IEC/EN 60947) at 230 V, 50/60 Hz3000 A	Rated short-time withstand current (t = 0.3 s)	1.9 kA
Instantaneous current setting (li) - max3000 AOverload current setting (lr) - min125 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max250 AShort-circuit release delayed setting - min250 AShort-circuit release delayed setting - max250 AShort-circuit release delayed setting - max250 AShort-circuit release non-delayed setting - max250 AShort-circuit release non-delayed setting - max3000 AShort-circuit rel	Rated short-time withstand current (t = 1 s)	1.9 kA
Overload current setting (lr) - min125 AOverload current setting (lr) - max250 AShort delay current setting (lsd) - min250 AShort delay current setting (lsd) - max250 AShort delay current setting (lsd) - max250 AShort-circuit release delayed setting - min250 AShort-circuit release delayed setting - max250 AShort-circuit release delayed setting - max250 AShort-circuit release non-delayed setting - max250 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity I cs (IEC/EN 60947) at 230 V, 50/60 Hz3000 A	Instantaneous current setting (li) - min	3000 A
Overload current setting (Ir) - max250 AShort delay current setting (Isd) - min250 AShort delay current setting (Isd) - max2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - max250 AShort-circuit release delayed setting - max2500 AShort-circuit release delayed setting - max2500 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 HzShort-Sircuit release non-delayed setting - max	Instantaneous current setting (li) - max	3000 A
Short delay current setting (Isd) - min250 AShort delay current setting (Isd) - max2500 AShort-circuit release delayed setting - min2500 AShort-circuit release delayed setting - max2500 AShort-circuit release non-delayed setting - min2500 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz85 kA	Overload current setting (Ir) - min	125 A
Short delay current setting (Isd) - max2500 AShort-circuit release delayed setting - min250 AShort-circuit release delayed setting - max2500 AShort-circuit release non-delayed setting - min2500 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz85 kA	Overload current setting (Ir) - max	250 A
Short-circuit release delayed setting - min250 AShort-circuit release delayed setting - max2500 AShort-circuit release non-delayed setting - min3000 AShort-circuit release non-delayed setting - max3000 AShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz85 kA	Short delay current setting (Isd) - min	250 A
Short-circuit release delayed setting - max   2500 A     Short-circuit release non-delayed setting - min   3000 A     Short-circuit release non-delayed setting - max   3000 A     Short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz   Short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	Short delay current setting (Isd) - max	2500 A
Short-circuit release non-delayed setting - min   3000 A     Short-circuit release non-delayed setting - max   3000 A     Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz   85 kA	Short-circuit release delayed setting - min	250 A
Short-circuit release non-delayed setting - max   3000 A     Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz   85 kA	Short-circuit release delayed setting - max	2500 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	Short-circuit release non-delayed setting - min	3000 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz		3000 A
	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	85 kA
	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	50 kA

Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	35	kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 525 V, 50/60 Hz	25	kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 690 V, 50/60 Hz	5 k.	
Rated short-circuit making capacity Icm at 240 V, 50/60 Hz		7 kA
Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz		5 kA
Rated short-circuit making capacity Icm at 440 V, 50/60 Hz	74	
Rated short-circuit making capacity Icm at 525 V, 50/60 Hz	53	
Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	40	
Short-circuit total breaktime		10 ms
Electrical connection type of main circuit		crew connection
Isolation	500	0 V AC (between the auxiliary contacts) 0 V AC (between auxiliary contacts and main contacts)
Number of operations per hour - max	120	
Handle type		ocker lever
Utilization category		(IEC/EN 60947-2)
Overvoltage category		
Pollution degree	3	200
Lifespan, electrical	650 650 100 750	000 operations at 415 V AC-1 00 operations at 400 V AC-3 00 operations at 415 V AC-3 000 operations at 400 V AC-1 00 operations at 690 V AC-1 00 operations at 690 V AC-3
Direction of incoming supply	As	s required
Technical Data - Mechanical		
Mounting Method	Bu	ug-in unit jilt-in device plug-in technique N rail (top hat rail) mounting optional
Degree of protection	IP2	20 (basic degree of protection, in the operating controls area) 20
Degree of protection (IP), front side		40 (with insulating surround) 66 (with door coupling rotary handle)
Degree of protection (terminations)		00 (terminations, phase isolator and strip terminal) 10 (tunnel terminal)
Protection against direct contact		nger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
Shock resistance		g (half-sinusoidal shock 20 ms)
Number of auxiliary contacts (change-over contacts)	0	
Number of auxiliary contacts (normally closed contacts)	0	
Number of auxiliary contacts (normally open contacts)	0	
Position of connection for main current circuit		ont side
Climatic proofing	Da	amp heat, constant, to IEC 60068-2-78 amp heat, cyclic, to IEC 60068-2-30
Special features	loc bre R.n Adj (wi Adj i <sup>2</sup> t d Rat	aximum back-up fuse, if the expected short-circuit currents at the installation cation exceed the switching capacity of the circuit breaker (Rated short-circuit eaking capacity Icn) m.s. value measurement and "thermal memory" djustable time delay setting to overcome current peaks tr at 6 x Ir also infinity <i>v</i> ithout overload releases) djustable delay time tsd constant function: fixed OFF ted current = rated uninterrupted current: 250 A
Lifespan, mechanical	200	000 operations
Technical Data - Mechanical - Terminals		
Standard terminals	Sci	crew terminal
Optional terminals	Bo	ox terminal. Connection on rear. Tunnel terminal
Terminal capacity (control cable)		75 mm² - 1.5 mm² (2x) 75 mm² - 2.5 mm² (1x)
Terminal capacity (aluminum solid conductor/cable)		mm² (1x) at tunnel terminal
Terminal capacity (aluminum stranded conductor/cable)	25	mm <sup>2</sup> - 185 mm <sup>2</sup> (1x) at tunnel terminal
Terminal capacity (copper busbar)	M8	ax. 24 mm x 8 mm direct at switch rear-side connection 8 at rear-side screw connection in. 16 mm x 5 mm direct at switch rear-side connection
Terminal capacity (copper solid conductor/cable)	16 10	nm² - 16 mm² (2x) at box terminal mm² (1x) at tunnel terminal mm² - 16 mm² (1x) at box terminal nm² - 16 mm² (2x) direct at switch rear-side connection

	10 mm <sup>2</sup> - 16 mm <sup>2</sup> (1x) direct at switch rear-side connection
Terminal capacity (copper stranded conductor/cable)	25 mm <sup>2</sup> - 70 mm <sup>2</sup> (2x) at box terminal 25 mm <sup>2</sup> - 70 mm <sup>2</sup> (2x) direct at switch rear-side connection 25 mm <sup>2</sup> - 185 mm <sup>2</sup> (1x) direct at switch rear-side connection 25 mm <sup>2</sup> - 185 mm <sup>2</sup> (1x) at 1-hole tunnel terminal 25 mm <sup>2</sup> - 185 mm <sup>2</sup> (1x) at box terminal
Terminal capacity (copper strip)	Max. 10 segments of 24 mm x 0.8 mm at rear-side connection (punched) Max. 8 segments of 24 mm x 1 mm (2x) at box terminal Min. 2 segements of 16 mm x 0.8 mm at rear-side connection (punched) Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	250 A
Equipment heat dissipation, current-dependent	51.56 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	70 °C
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Functions	Systems, cable, selectivity and generator protection

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (EC000228)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss13-27-37-04-09 [AJZ716018]) Rated permanent current lu A 250

Rated permanent current lu	A	250
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	50
Overload release current setting	А	125 - 250
Adjustment range short-term delayed short-circuit release	А	250 - 2500
Adjustment range undelayed short-circuit release	А	3000 - 3000
Power loss	W	51.56
Device construction		Built-in device plug-in technique
Integrated earth fault protection		No

Autiable for DIN rail (top hat rail) mounting Mo No   Number of auxiliary contacts as normally closed contact Yes   Aumber of auxiliary contacts as normally open contact 0   Aumber of auxiliary contacts as change-over contact 0   Aumber of auxiliary contacts as change-over contact Yes   Aumber of poles No   Yos of control element Yes   Yop of control element Yes   Yop of control element Yes   You of divice with protection unit Yes   Anor drive integrated Yes   You of divice with protection unit Yes		
IN rail (top hat rail) mounting optional   Image: Sector	Type of electrical connection of main circuit	Screw connection
Jumber of auxiliary contacts as normally closed contact   0     Jumber of auxiliary contacts as normally open contact   0     Jumber of auxiliary contacts as change-over contact   0     Jumber of auxiliary contacts as change-over contact   0     Vith switched-off indicator   Mo     Vith integrated under voltage release   No     Jumber of poles   3     Position of connection for main current circuit   Font side     Somplete device with protection unit   Yes     Autor drive integrated   No     Autor drive integrated   Yes	Suitable for DIN rail (top hat rail) mounting	No
Junction of auxiliary contacts as normally open contact   Image: State of auxiliary contacts as change-over contact   Image: State over co	DIN rail (top hat rail) mounting optional	Yes
Jumber of auxiliary contacts as change-over contact   Image: second se	Number of auxiliary contacts as normally closed contact	0
Vith switched-off indicator   Image: Section of connection for main current circuit   Image: Section connection current cur	Number of auxiliary contacts as normally open contact	0
Vith integrated under voltage release   Post Sector   No     Jumber of poles   3     Position of connection for main current circuit   Font side     Vith integrated under voltage release   Font side     Post Sector   Rocker lever     Post Sector   Vith integrated     Abord drive integrated   Image: Sector     Abord drive optional   Image: Sector     Post Sector   Vith integrated	Number of auxiliary contacts as change-over contact	0
Jumber of poles 3   Position of connection for main current circuit Font side   type of control element Font side   Scomplete device with protection unit Font side   Actor drive integrated Font   Actor drive optional Font	With switched-off indicator	No
Position of connection for main current circuit Position   iype of control element Font side   complete device with protection unit Motor drive integrated   Abtor drive optional Image: State Stat	With integrated under voltage release	No
ivpe of control element Rocker lever   complete device with protection unit Yes   Aotor drive optional Yes	Number of poles	3
Actor drive optional Image: Complete device with protection unit Image: Complete device with protection unit Yes   Actor drive integrated Image: Complete device with protection unit Image: Complete device with protection unit Image: Complete device with protection unit	Position of connection for main current circuit	Front side
Actor drive optional Model	Type of control element	Rocker lever
Actor drive optional Yes	Complete device with protection unit	Yes
	Motor drive integrated	No
Degree of protection (IP)	Motor drive optional	Yes
	Degree of protection (IP)	IP20