DATASHEET - NZMB1-A25



Circuit-breaker, 3p, 25A

Part no.

NZMB1-A25 280988 4358976 **EL Number** (Norway)



Product name	Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.	NZMB1-A25
EAN	4015082809881
Product Length/Depth	88 millimetre
Product height	145 millimetre
Product width	90 millimetre
Product weight	1.018 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947 IEC
Product Tradename	NZM
Product Type	Molded case circuit breaker
Product Sub Type	Thermo-magnetic
Delivery program	
Application	Use in unearthed supply systems at 440 V
Туре	Circuit breaker
Circuit breaker frame type	NZM1
Number of poles	Three-pole
Amperage Rating	25 A
Release system	Thermomagnetic release
Features	Protection unit
Special features	Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 25 A Terminal capacity hint: Up to 95 mm ² can be connected depending on the cable manufacturer.
Technical Data - Electrical	
Voltage rating	440 V - 440 V
Rated insulation voltage (Ui)	690 V AC
Rated impulse withstand voltage (Uimp) at auxiliary contacts	6000 V
Rated impulse withstand voltage (Uimp) at main contacts	6000 V
Instantaneous current setting (li) - min	350 A
Instantaneous current setting (li) - max	350 A
Overload current setting (Ir) - min	20 A
Overload current setting (Ir) - max	25 A
Short delay current setting (Isd) - min	0 A
Short delay current setting (Isd) - max	0 A
Short-circuit release non-delayed setting - min	350 A
Short-circuit release non-delayed setting - max	350 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	30 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	25 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	18.5 kA
Rated short-circuit making capacity Icm at 240 V, 50/60 Hz	63 kA
Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz	53 kA
Rated short-circuit making capacity Icm at 440 V, 50/60 Hz	53 kA
Short-circuit total breaktime	< 10 ms
Electrical connection type of main circuit	Frame clamp
Isolation	300 V AC (between the auxiliary contacts)

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Technical Data - Mechanical - Terminals Box terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 075 mm² - 15 mm² (2x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 25 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) M6 at rear-side screw connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) Max 3 segments of 9 mm x 0.8 mm at box terminal Design verification as per IEC/EN 61439 - technical data	Terchnical Data - Mechanical - Terminals Box terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (copper busbar) If mm ² (1x) at tunnel terminal Terminal capacity (copper stranded conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (copper stranded conductor/cable) Mis at ternical service ta switch rear-side connection Terminal capacity (copper stranded conductor/cable) Mis at ternical service ta switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at swi	Special features	Rated current = rated uninterrupted current: 25 A Terminal capacity hint: Up to 95 mm ² can be connected depending on the cable
Standard terminals For a pacity (control cable) Connection on rear. Screw terminal Terminal capacity (control cable) D35 mm² · 1.5 mm² (2x) 0.75 mm² · 1.5 mm² (2x) Terminal capacity (aluminum solid conductor/cable) If a mm² (1x) direct at switch rear-side connection 10 mm² · 16 mm² (1x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Design verification as per IEC	Standard terminals Potional terminals Optional terminals Connection or ear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 0.75 mm ⁻¹ (2x) Terminal capacity (aluminum solid conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Med terar-side screw connection Terminal capacity (copper busbar) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper stranded conductor/cable) Med terar-side screw connection Terminal capacity (copper stranded conductor/cable) Med terar-side screw connection Terminal capacity (copper strip) Med terar-side connection Design verification as per IEC/EN 61439 - technical data Form - 70 mm ⁻¹ (1x) direct at switch rear-side connection Stramt - 70 mm ⁻¹ (2x) direct at switch rear-side connection S	Lifespan, mechanical	20000 operations
Optional terminals Connection on rear. Screw terminal. Lunnel terminal Terminal capacity (control cable) 0.75 mm² - 15 mm² (2x) Terminal capacity (aluminum solid conductor/cable) 0.75 mm² - 25 mm² (1x) Terminal capacity (aluminum stranded conductor/cable) 0.75 mm² - 25 mm² (1x) Terminal capacity (aluminum stranded conductor/cable) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper solid conductor/cable) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper solid conductor/cable) 0.75 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 0.75 mm² - 15 mm² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 0.75 mm² - 15 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 mm² - 35 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 mm² - 35 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 m² (2x) direct at switch rear-side connection Term	Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 075 mm ² 1.5 mm ² (2x) 0.75 mm ² 1 (x) direct at switch rear-side connection 10 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 2 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection Min 2 m x 5 mm direct at switch rear-side connection Min 2 m x 5 mm direct at switch rear-side connection Min 2 m x 5 mm ² (2x) direct at switch rear-side connection Min 2 m x 5 mm ² (2x) direct at switch rear-side connection Min 2 mm ² 1 film (2x) direct at switch rear-side connection Min 2 mm ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch reare-side conne	Technical Data - Mechanical - Terminals	
Terminal capacity (control cable) 0.75 mm² 1.5 mm² (2x) 0.75 mm² 2.5 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 25 mm² 35 mm² (1x) turnel terminal 25 mm² 35 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.0 mm² (1x) at turnel terminal 10 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 10 mm² 0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0	Terminal capacity (control cable) 0.75 mm ² · 15 mm ² (2x) Terminal capacity (aluminum solid conductor/cable) 16 mm ² · 16 mm ² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm ² · 35 mm ² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 25 mm ² · 35 mm ² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper strip) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper strip) 25 A Design verification as per IEC/EN 61439 - technical data 25 m ² · 25 m ² (2x) d	Standard terminals	Box terminal
Iterminal capacity (aluminum solid conductor/cable)Iterminal capacity (aluminum solid conductor/cable)Iterminal capacity (aluminum stranded conductor/cable)Iterminal capacity (copper busbar)Iterminal capacity (copper busbar)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper stranded conductor/cable)Iterminal capacity (copper strip)Iterminal capacity (copper strip)Ite	Terminal capacity (aluminum solid conductor/cable) I is mm ² (2, 3 mm ² (1x) Terminal capacity (aluminum stranded conductor/cable) Is mm ² (1x) at tunnel terminal 10 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 25 mm ² - 35 mm ² (3x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side con	Optional terminals	Connection on rear. Screw terminal. Tunnel terminal
I omm? - 16 mm? (2x) direct at switch rear-side connection 10 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection M6 at rear-side screw connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 6 mm x 5 mm direct at switch rear-side connection 10 mm? - 16 mm? (1x) direct at switch rear-side connection f mm? (1x) direct at switch rear	I errinal capacity (aluminum stranded conductor/cable)I errinal capacity (aluminum stranded conductor/cable)I errinal capacity (copper busbar)I errinal capacity (copper busbar)I errinal capacity (copper busbar)I errinal capacity (copper solid conductor/cable)I errinal capacity (copper stranded conductor/cable)I errinal errinal capacity (copper stranded conductor/cable)I errinal e	Terminal capacity (control cable)	
Terminal capacity (copper busbar)Set mather and the set of the	Image: Semi-1 (x) at tunnel terminal 25 mm² - 25 mm² (2x) direct at switch rear-side connection M6 at rear-side screw connection M6.1 2 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 16 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tox terminal 20 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 10 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 25 mm² - 25 m² - 25 m² -	Terminal capacity (aluminum solid conductor/cable)	10 mm ² - 16 mm ² (2x) direct at switch rear-side connection
Image:	International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper stranded conductor/cable)International capacity (cop	Terminal capacity (aluminum stranded conductor/cable)	25 mm ² - 95 mm ² (1x) at tunnel terminal
Ambient operating temperature - minSolution<	A model of a matrix of a m	Terminal capacity (copper busbar)	Min. 12 mm x 5 mm direct at switch rear-side connection
In the hard operational current for specified heat dissipation (In)Image: Content on the terminal content on terminal content on the terminal content on terminal content	Terminal capacity (copper strip) Max. 9 segments of 9 mm x 0.8 mm at box terminal 25 mm² (1x) direct at switch rear-side connection 25 mm² (1x) direct at switch rear-side connection 25 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) Max. 9 segments of 9 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 Max. 9 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min 70 °C Ambient storage temperature - min Max. 9 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (copper solid conductor/cable)	6 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection
Design verification as per IEC/EN 61439 - technical data Min. 2 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 0 of 0 of 0	Min. 2 segments of 9 mm x 0.8 mm at box terminal Design verification as per IEC/EN 61439 - technical data Min. 2 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C	Terminal capacity (copper stranded conductor/cable)	10 mm² - 70 mm² (1x) at box terminal 25 mm² (2x) direct at switch rear-side connection 25 mm² - 95 mm² (1x) at 1-hole tunnel terminal
Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 0 0 °C	Rated operational current for specified heat dissipation (In)25 AEquipment heat dissipation, current-dependent8.78 WAmbient operating temperature - min-25 °CAmbient operating temperature - max70 °CAmbient storage temperature - min40 °C	Terminal capacity (copper strip)	
Equipment heat dissipation, current-dependent 878 W Ambient operating temperature - min 25 °C Ambient operating temperature - max 70 °C	Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C	Design verification as per IEC/EN 61439 - technical data	
Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C	Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C	Rated operational current for specified heat dissipation (In)	25 A
Ambient operating temperature - max 70 °C	Ambient operating temperature - min 70 °C Ambient storage temperature - min 40 °C	Equipment heat dissipation, current-dependent	8.78 W
	Ambient storage temperature - min 40 °C	Ambient operating temperature - min	-25 °C
		Ambient operating temperature - max	70 °C
Ambient storage temperature - min 40 °C		Ambient storage temperature - min	40 °C
			70 °C

esign 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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
dditional information	
Functions	System and cable protection

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/ge	enerator/installatior	on protection (EC000228)
Electric engineering, automation, process control engineering / Low-voltage switc protection (ecl@ss13-27-37-04-09 [AJZ716018])	h technology / Circ	rcuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system
Rated permanent current lu	А	A 25
Rated voltage	V	440 - 440
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	A 25
Overload release current setting	A	A 20 - 25
Adjustment range short-term delayed short-circuit release	А	A 0 - 0
Adjustment range undelayed short-circuit release	A	A 350 - 350
Power loss	W	V 8.8
Device construction		Built-in device fixed built-in technique
Integrated earth fault protection		No
Type of electrical connection of main circuit		Frame clamp
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		Yes
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
With switched-off indicator		No
With integrated under voltage release		No
Number of poles		3
Position of connection for main current circuit		Front side
Type of control element		Rocker lever
Complete device with protection unit		Yes
Motor drive integrated		No
Motor drive optional		No

Degree of protection (IP)

IP20