

Circuit-breaker 3-pole 125A, motor protection, withdrawable unit

Part no. **NZMS2-M125-SVE**
113301

General specifications		
Product name		Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.		NZMS2-M125-SVE
EAN		4015081128365
Product Length/Depth		180 millimetre
Product height		245 millimetre
Product width		105 millimetre
Product weight		2.774 kilogram
Compliances		RoHS conform
Product Tradename		NZM
Product Type		Molded case circuit breaker
Product Sub Type		Thermo-magnetic
Delivery program		
Number of poles		Three-pole
Amperage Rating		125 A
Special features		Rated current = rated uninterrupted current: 125 A Tripping class 10 A IEC/EN 60947-4-1, IEC/EN 60947-2 The circuit-breaker fulfills all requirements for AC-3 switching category.
Technical Data - Electrical		
Voltage rating		690 V - 690 V
Rated operational current		100 A (400 V AC-3)
Instantaneous current setting (Ii) - min		1000 A
Instantaneous current setting (Ii) - max		1750 A
Overload current setting (Ir) - min		100 A
Overload current setting (Ir) - max		125 A
Short-circuit release non-delayed setting - min		1000 A
Short-circuit release non-delayed setting - max		1750 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz		150 kA
Rated operating power at AC-3, 230 V		37 kW
Rated operating power at AC-3, 400 V		55 kW
Electrical connection type of main circuit		Screw connection
Handle type		Rocker lever
Technical Data - Mechanical		
Mounting Method		Built-in device plug-in technique
Degree of protection		IP20
Switch off technique		Thermomagnetic
Special features		Rated current = rated uninterrupted current: 125 A Tripping class 10 A IEC/EN 60947-4-1, IEC/EN 60947-2 The circuit-breaker fulfills all requirements for AC-3 switching category.
Design verification as per IEC/EN 61439 - technical data		
Equipment heat dissipation, current-dependent		27.61 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 observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information			
Functions			Phase failure sensitive