

Circuit-breaker, 3p, 250A



Part no. **NZMB2-A250-KCU-NA**
113029

General specifications		
Product name		Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.		NZMB2-A250-KCU-NA
EAN		4015081125692
Product Length/Depth		184 millimetre
Product height		149 millimetre
Product width		105 millimetre
Product weight		2.652 kilogram
Compliances		RoHS conform
Certifications		CSA certified UL (File No. E31593) UL489 Specially designed for North America CSA-C22.2 No. 5-09 CSA (Class No. 1432-01) IEC60947-2 CE marking CSA (File No. 22086) DIVQ UL listed
Product Tradename		NZM
Product Type		Molded case circuit breaker
Product Sub Type		Thermo-magnetic
Delivery program		
Application		Feeder circuits, branch circuits
Number of poles		Three-pole
Amperage Rating		250 A
Features		Protection unit Motor drive optional
Technical Data - Electrical		
Voltage rating		440 V - 440 V
Rated operating voltage Ue (UL) - max		600Y/347 V, 480 V
Instantaneous current setting (Ii) - min		200 A
Instantaneous current setting (Ii) - max		250 A
Overload current setting (Ir) - min		200 A
Overload current setting (Ir) - max		250 A
Short delay current setting (Isd) - min		0 A
Short delay current setting (Isd) - max		0 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz		25 kA
Electrical connection type of main circuit		Other
Handle type		Rocker lever
Technical Data - Mechanical		
Mounting Method		DIN rail (top hat rail) mounting optional Built-in device fixed built-in technique
Degree of protection		IP20
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		Front side
Design verification as per IEC/EN 61439 - technical data		
Equipment heat dissipation, current-dependent		58.13 W
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		Current limiting circuit breaker

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 I _u	A	250
Rated voltage	V	440 - 440
Rated short-circuit breaking capacity I _{cu} at 400 V, 50 Hz	kA	25
Overload release current setting	A	200 - 250
Adjustment range short-term delayed short-circuit release	A	0 - 0
Adjustment range undelayed short-circuit release	A	200 - 250
Power loss	W	58.1
Device construction		Built-in device fixed built-in technique
Integrated earth fault protection		No
Type of electrical connection of main circuit		Other
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		Yes
Degree of protection (IP)		IP20