DATASHEET - NZM2-250-XKC



Box terminal, 3p, up to 300 A

Part no. NZM2-250-XKC Catalog No. 262244

EL-Nummer (Norway)

4358779





Delivery program			
Number of conductors			3 pole
Accessories			Box terminal
Rated current	In	Α	≦ 300
For use with			NZM2(-4), PN2(-4), N(S)2(-4)
Terminal capacities			
Type of conductor			
Cu/Al cable			Cu cable
Terminal capacities			
flexible		mm ²	1×10 - 185 2×4 - 70 Up to 95mm^2 can be connected depending on the cable manufacturer.
AWG/kcmil		mm ²	1 x 12 - 350

 mm^2

min. 2 x 9 x 0.8

max. 10 x 16 x 0.8 Or max. (2 x) 8 x 15.5 x 0.8

Terminal capacitiesCu strip (number of segments x width x segment thickness)

Notes

Type suffix and type contain parts for a circuit-breaker side at top or bottom for 3 or 4 pole circuit-breakers.

 $\label{lem:conversion} \textbf{Conversion kit for circuit-breaker with screw connection.}$

Fitted within the switch housing

 $\mathbf{0} = \mathbf{for} \ \mathbf{fitting} \ \mathbf{at} \ \mathbf{the} \ \mathbf{top}$

U = for fitting at the bottom

 $U_e \ge 525 \text{ V AC}$:

• Use cover NZM2(-4)-XKSA.

Use ferrules with flexible and highly flexible conductors. Max. cross section shown can only be connected when flexible and without ferrules.

Design verification as per IEC/EN 61439

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IEC/EN 61439 design verification	
10.2 Strength of materials and parts	
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties	

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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Wiring set for power circuit breaker (EC002050)

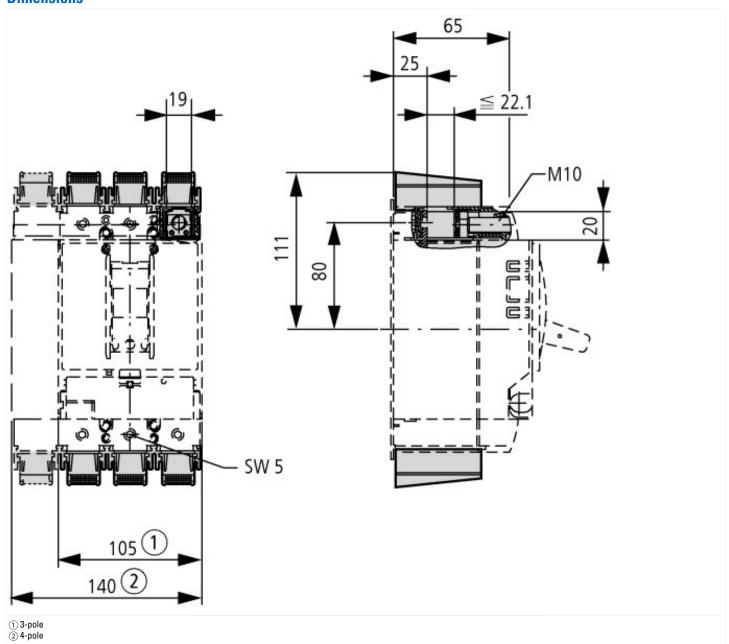
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Wiring set for circuit breaker (ecl@ss10.0.1-27-37-04-24 [ACN957011])

Suitable for number of poles	3
Model	Other

Approvals

Product Standards	UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.	E31593
UL Category Control No.	DIHS
CSA File No.	022086
CSA Class No.	1432-01
North America Certification	UL listed, CSA certified
Suitable for	Refer to main component information

Dimensions



03/30/2022