



Tunnel terminal, 3p, 1 page, size 2

Part no.
Catalog No.

NZM2-XKA
271457

EATON
Powering Business Worldwide™

Similar to illustration

Delivery program

Standard/Approval			UL/CSA, IEC
Number of conductors			3 pole
Accessories			Tunnel terminal
Rated current	I _n	A	Cu 300, Al 250
For use with			NZM2, PN2, N(S)2

Terminal capacities

Type of conductor			
Cu/Al cable			Copper cable Al cable
Terminal capacities			
Stranded	mm ²	1 x 25 - 185 Up to 240 mm ² can be connected depending on the cable manufacturer.	
AWG/kcmil	mm ²	1 x 6 - 350	

Notes

Type contains parts for a terminal located at top or bottom for 3 or 4-pole circuit-breakers.

A standard with control circuit terminal for 1 x 0.75 - 2.5 mm² (18 - 14 AWG) or 2 x 0.75 - 1.5 mm² (18 - 16 AWG) copper conductors.

Fitted outside the switch housing

Use with flexible and highly flexible conductors ferrules. Maximum specified cross-section can only be connected when stranded and without ferrules.

Mounting of the cover NZM2(-4)-XKSA obligatory (supplied).

Design verification as per IEC/EN 61439

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.

Technical data ETIM 8.0

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

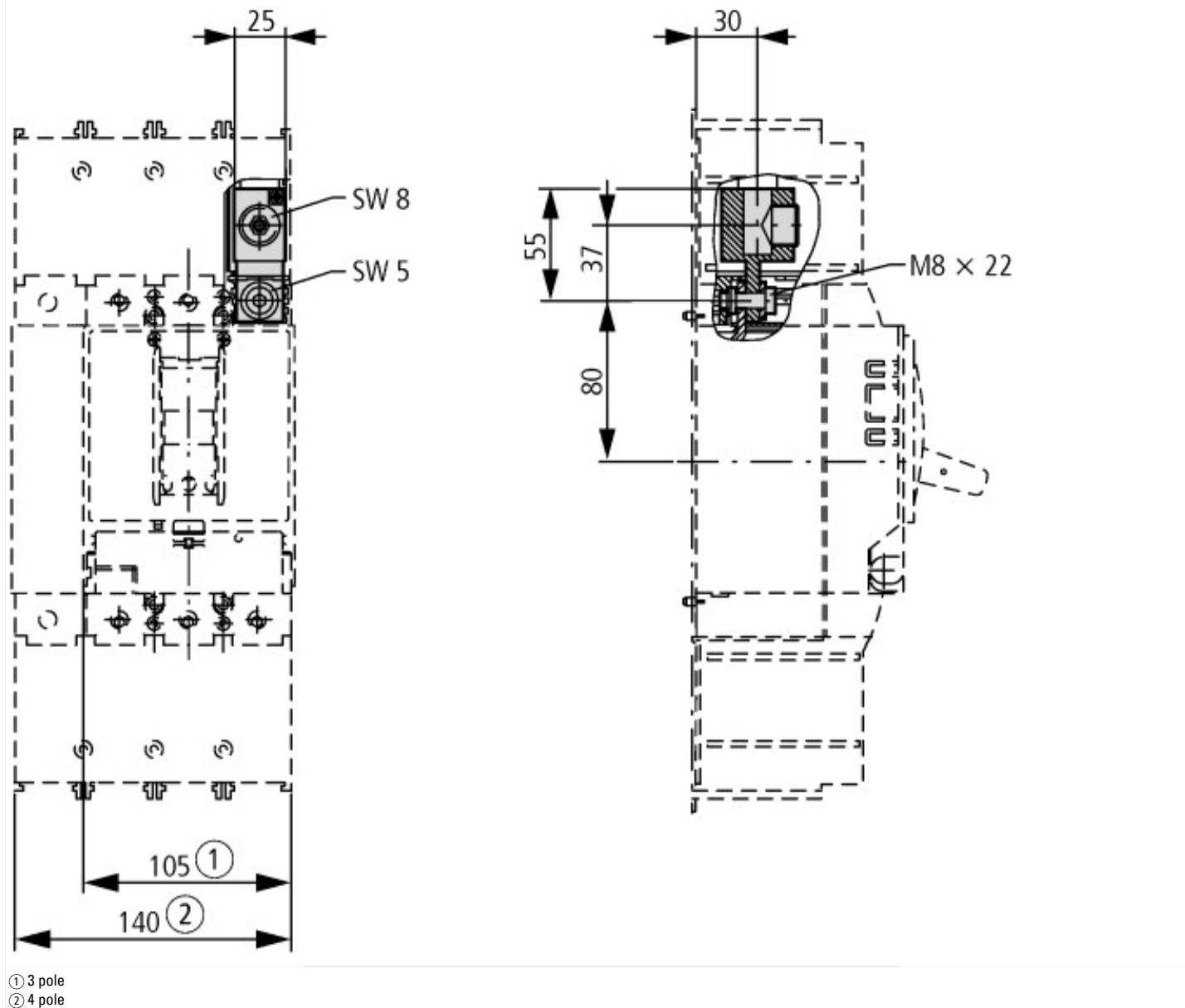
Model

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



Additional product information (links)

IL01210007Z (AWA1230-2050) Tunnel terminal

IL01210007Z (AWA1230-2050) Tunnel terminal https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01210007Z2020_10.pdf