

Screw connection 3p, standard, size 2

Part no. NZM2-XKS
Article no. 260030

Similar to illustration

Delivery programme

Number of conductors			3 pole
Accessories			Screw connection
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 lugs Aluminium cable lug
Terminal capacities			
flexible		mm^2	1 x 10 - 185 2 x 4 - 70 1 x 10 - 50 2 x 10 - 50
AWG/kcmil		mm^2	1 x 11 - 3/0 2 x 12 1 x 8 - 1/0 2 x 8 - 1/0
Terminal capacities			
Cu strip (number of segments x width x segment thickness)		mm^2	2 x 16 x 0.8
Copper busbar width x thickness	Breite	mm	16 x 5

Notes

Type contains parts for a terminal located at top or bottom for 3 or 4 pole switches.

Standard connection with all NZM2, PN2 and N2 circuit-breakers.

Conversion kit for circuit-breaker with box terminal.

Use special cable lug narrow version, → 059775

Fitted within the switch housing

If a busbar is used, insulation (400 mm) e.g sleeving and a NZM2(-4)-XKSA cover are required.

U_e ≥ 525 V AC:

- For all other connection material e.g. cables, flat conductors, a NZM2(-4)-XKSA shroud must be used.

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.
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.

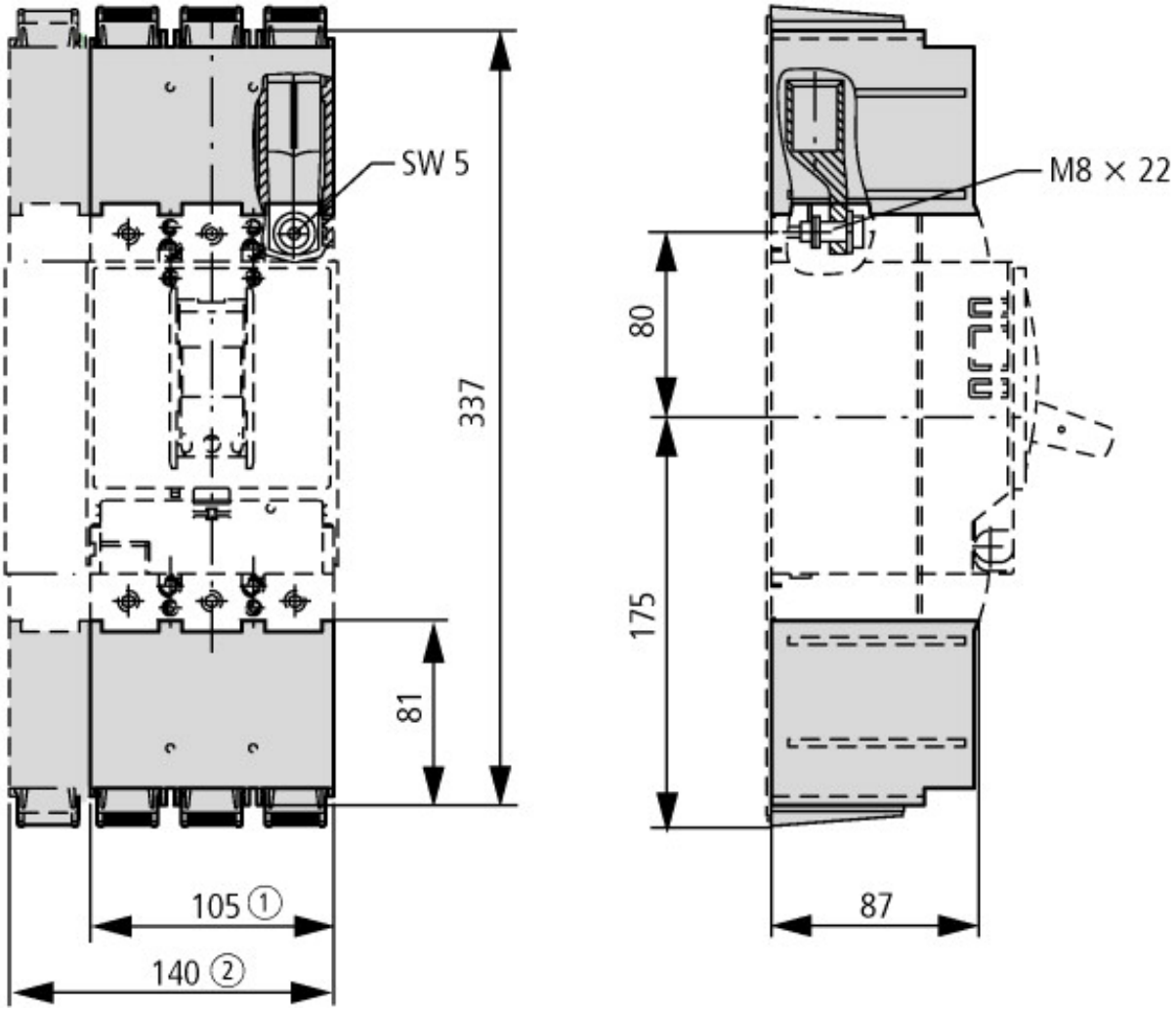
Technical data ETIM 6.0

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@ss8.1-27-37-04-24 [ACN957008])		
Suitable for number of poles		3
Model		-

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)

IL01206005Z (AWA1230-1917) Box terminal block	
IL01206005Z (AWA1230-1917) Box terminal block	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01206005Z2010_11.pdf

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