

Screw connection 3p, standard, size 2



Part no.	NZM2-XKS
Catalog No.	260030
EL-Nummer (Norway)	4358804

Similar to illustration

Delivery program

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		$\geq 2 \times 16 \times 0.8$
Copper busbar width x thickness	Width	mm	$\geq 16 \times 5$

Notes

Type contains parts for 3 or 4-pole switches on top or bottom of switch.

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

Conversion kit for circuit-breaker with box terminal.

Use only specialized cable lugs with a narrow design; see NZM*XKS* types. Otherwise, NZM*XKP phase disconnectors must be used, even for insulated cable lugs.

Fitted within the switch housing.

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

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

- Bei allen anderen Anschlussmaterialien, z.B. Kabel, Bänder, ist eine Abdeckung NZM2(-4)-XKSA zu verwenden.

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 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