Connection terminal, 300mm², 3p

Part no. NZM3-XK300
Article no. 100782

Powering Business Worldwide

Delivery program

Number of conductors			3 pole
Accessories			Terminals
Rated current	I_n	A	500
For use with			NZM3, PN3, N(S)3
Terminal capacities			
Type of conductor			
Cu/Al cable			Cu cable
Terminal capacities			
flexible		mm^2	1 x 120 - 300

Notes

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

Only in conjunction with connection width extension NZM3(-4)-XKV70.

Use with flexible and highly flexible conductors ferrules.

Standard with control circuit terminal for 1 x 0.75 - 2.5 mm^2 or 2 x 0.75 - 1.5 mm^2 copper conductors.

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

① NZM3(-4)-XK22X21

② NZM3(-4)-XK300

Length with phase isolators approx. 599 mm

Additional product information (links)

IL01219032Z (AWA1230-2288) Connection extension for NZM3

IL01219032Z (AWA1230-2288) Connection extension for NZM3	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219032Z2014_07.pdf