



N4/N12 adapter set 1600A

Part no.
Catalog No.

N4-XAS12-1600
285611



Similar to illustration

Delivery program

Accessories			Connection adapter set
Number of conductors			3 pole
Rated current	I_n	A	≤ 1600
For use with			N4
Notes			
Kit for conversion of N(ZM)12 to N(ZM)4.			
Using the connection lugs of the exchange kit all 3-pole NZM12 or N12 can be adapted to the connection dimensions of the NZM4 or N4, which have been manufactured since 1983.			
Non-exchangeable are 4-pole base units as well as devices with withdrawable units and remote operators.			
Scope of the exchange kits N(ZM)4-XAS12...:			
3 connection extensions on outlet side			
3 connection extensions on trip block side			
2 mounting brackets			
4 fixing screws			
4 phase isolators			
6 fixing screws, nuts and washers			
Paper drilling template in the assembly instructions (AWA)			
The exchange kits have identical dimensions to the types N(ZM)12..., which correspond to the types manufactured from 02/97 onwards.			
Special feature:			
The N(ZM)12-800 manufactured before 02/97 features 10 mm connection lugs instead of the 8 mm connections lugs currently used. With these types the customer must determine the year of manufacture of the device by measuring the thickness of the connection lugs and order the exchange kit N(ZM)4-XAS12-1250.			
Example:			
N(ZM)12-800...(1000) > N(ZM)4-XAS12-1000			
N(ZM)12-800 vor 02/97 > N(ZM)4-XAS12-1250			
N(ZM)12-1250 > N(ZM)4-XAS12-1250			
N(ZM)12-1600 > N(ZM)4-XAS12-1600			
Expansion for devices manufactured before 1983!			
The exchange kit for switch-disconnector can be used completely here. The adapters will only fit on top on the circuit-breaker with the longer "ZM" version! The devices are about 65 mm longer at the bottom and the lower connection is about 26 mm lower. Accordingly, the adapters are too short for the bottom and the height does not correspond either.			

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 7.0

Low-voltage industrial components (EG000017) / Connection vane/phase spreader (EC002019)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Connection vane/phase spreader (ecI@ss10.0.1-27-37-13-05 [ACN990012])			
Suitable for number of poles			3

Additional product information (links)

IL01219030Z (AWA1230-2244) Exchange kit NZM12 to NZM4	
IL01219030Z (AWA1230-2244) Exchange kit NZM12 to NZM4	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219030Z2011_03.pdf