



N4/N12 adapter set 800A/1000A

Part no.

Catalog No.

N4-XAS12-1000

285609

Similar to illustration

Delivery program

|  |                |   |                        |
|--|----------------|---|------------------------|
| Accessories  |                |   | Connection adapter set |
| Number of conductors   |                |   | 3 pole                 |
| Rated current  | I <sub>n</sub> | A | ≤ 1000                 |
| For use with   |                |   | N4                     |
| <b>Notes</b>   |                |   |                        |
| 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-exchangable 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)

|  |   |
|--|---|
| <b>IL01219030Z (AWA1230-2244) Exchange kit NZM12 to NZM4</b> |   |
| IL01219030Z (AWA1230-2244) Exchange kit NZM12 to NZM4        | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219030Z2011_03.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219030Z2011_03.pdf</a> |