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NZMB-XKV70 - Connection width extension 3p, size 3



100514 NZMB-XKV70

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# 100514 NZM3-XKV70

Connection width extension 3p, size 3

EL-Nummer (Norway)

0004358856

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: type contains parts for a terminal located at top or bottom for 3 or 4 pole switches. Central drilling for e.g. up to 2 cable lugs per phase. Can be fitted to circuit-breaker with screw connection. Phase isolator and insulation plate are included as standard. distance between pole centers with NZMB(-4)-XKV70: 70mm Hole for control wire exists. Terminals NZMB(-4)-XK300 and NZMB(-4)-XK22X21 can be retrofitted. Can be used for: NZMB(-4), FN3(-4), N(NO)3(-4)

## Delivery program

Accessories  
Connection width extension  
Description  
One hole  
Number of conductors  
3 pole  
Rated current [I<sub>n</sub>]  
630 A  
For use with  
NZMB, FN3, N(S)3  
Terminal capacities  
Type of conductor Cu/Al cable  
Copper cable lugs  
Terminal capacities flexible  
2 x 300 mm<sup>2</sup>  
AWG/kcmil  
2 x 500 mm<sup>2</sup>  
Terminal capacities  
Cu strip (number of segments x width x segment thickness)  
(2 x) 10 x 50 x 1.0 mm<sup>2</sup>  
Copper busbar width x thickness [Width]  
(2 x) 10 x 50 mm

### Notes

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

Central drill holes, e.g. for up to 2 cable lugs per phase.

Can be fitted to circuit-breaker with screw termination

Phase isolator supplied.

Distance between pole centres with NZMB(-4)-XKV70: 70 mm

Drill hole available for control cable.

Connection terminals NZMB(-4)-XK300 and NZMB(-4)-XK22X21 can be installed.

## 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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage  
Is the panel builder's responsibility.

10.9 Insulation properties 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 (ec@ss10.0.1-27-37-13-05 [ACN990012])  
Suitable for number of poles  
3

## Approvals

Product Standards  
UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking  
UL File No.  
E140305  
UL Category Control No.  
DIHS  
CSA File No.  
022086  
CSA Class No.  
1432-01  
North America Certification  
UL listed, CSA certified

## Dimensions

☐ NZM3(-4)-XK22X21  
☐ NZM3(-4)-XK300  
Length with phase isolators approx. 599 mm

## IL01219032Z (AWA1230-2288) Connection extension for NZM3

- [IL01219032Z \(AWA1230-2288\) Connection extension for NZM3 \(PDF\)](#)

## CAD data

- [Product-specific CAD data \(Web\)](#)
- [3D Preview \(Web\)](#)

## Product photo



Photo  
Product photo  
Photo

## 3D drawing




1230DRW-533  
Connection width extension and phase isolator

3D drawing  
Line drawing

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