

# DATASHEET - +NZM3-4-XKCU



Box terminal, 4p, bottom up to 630A, size 3



Part no. **+NZM3-4-XKCU**  
Catalog No. **266782**

Similar to illustration

## Delivery program

Number of conductors			4 pole
Accessories			Box terminal
Rated current	$I_n$	A	$\leq 630$
For use with			NZM3(-4), PN3(-4), N(S)3(-4)
Mounting position			Fitted at the bottom

### Terminal capacities

Type of conductor			
Cu/Al cable			Cu cable
Terminal capacities			
flexible		mm <sup>2</sup>	1 x 35 - 240 2 x 16 - 120
AWG/kcmil		mm <sup>2</sup>	1 x 2 - 500

### Terminal capacities

Cu strip (number of segments x width x segment thickness)		mm <sup>2</sup>	up to 500 A: min. 6 x 16 x 0.8 max. 10 x 24 x 1.0 Or max. 11 x 21 x 1.0 630 A: 10 x 24 x 1.0 + 5 x 24 x 1.0 oder (2 x) 8 x 24 x 1.0
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### Notes

Type suffix and type contain parts for a circuit-breaker side at top or bottom for 3 or 4-pole circuit-breakers.

Conversion kit for circuit-breaker with screw connection.

Fitted within the switch housing

O = for fitting at the top

U = for fitting at the bottom

$U_e \geq 525$  V AC:

- Use NZM3(-4)-XKSA cover.

Use with flexible and highly flexible conductors ferrules, note the max. terminal capacity when using ferrules.

## Technical data

### General

Mounting position			Fitted at the bottom
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## 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) / 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 (ec1@ss10.0.1-27-37-04-24 [ACN957011])		
Suitable for number of poles		4
Model		Other

## Dimensions



