262240 NZM2-160-XKC

Box terminal, 3p, up to 160 A

EL-Nummer (Norway) 4358778

Optional accessories for circuit-breaker series NZM offers a comprehensive portfolio of application possibilities for worldwide use. Modular functional groups make mounting flexible and simple. Notes: part no. suffix and part no. 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. Ue □ 525 VAC. Use cover NZM2(-4)-XKSA. Use ferrules with flexible and highly flexible conductors. Max. cross section shown can only be connected when flexible and without ferrules. Can be used for: NZM2(-4), PN2(-4), N(N/O)2(-4)

Delivery program

Number of conductors
3 pole
Accessories
Box terminal
Rated current [I_n]
□ 160 A
For use with
NZM2(-4), PN2(-4), N(S)2(-4)
Terminal capacities
Type of conductorCu/Al cable
Cu cable
Terminal capacitiesflexible
1 x 10 - 185
2 x 4 - 70
Up to 95 mm² can be connected depending on the cable manufacturer. mm²
AWG/kcmil
1 x 12 - 350 mm²
Terminal capacities
Cu strip (number of segments x width x segment thickness)
min. 2 x 9 x 0.8
max. 10 x 16 x 0.8
Or
max. (2 x) 8 x 15.5 x 0.8 mm²
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 ≤ 525 V AC:

- Use cover NZM2(-4)-XKSA.

Use ferrules with flexible and highly flexible conductors. Max. cross section shown can only be connected when flexible and without ferrules.

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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

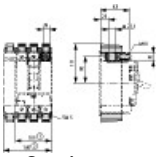
Low-voltage industrial components (EG000017) / Wiring set for power circuit breaker (EC002050)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Wiring set for circuit breaker (ecl@ss10.0.1-27-37-04-24 [ACN957011])
Suitable for number of poles
3
Model
Other

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



☐ 3-pole
☐ 4-pole

CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

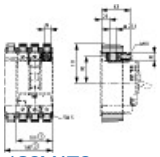
DWG files

- DA-CD-nzm2_xkc
  File
  (Web)

Step files

- DA-CS-nzm2_xkc
  File
  (Web)

Dimensions single product

- 
  123X476
  Line drawing
  Box terminal
  ☐ 3 pole
  ☐ 4 pole

3D drawing

- 
  123I482
  Line drawing
  Pluggable motor connection for size 1

Product photo

- 
  1230PIC-725
  Photo

Instruction Leaflet

- IL01206005Z
  Asset
  (PDF, Language independent)

Download-Center

- Download-Center (this item)
  Eaton EMEA Download-Center - download data for this item
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