189722 NZM2/3-X2A

Overview Specifications Resources

189722 NZM2/3-X2A

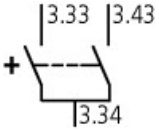
Relay module for NZM2/3, configurable, 2NO, 24DC, 24-230AC, PI
Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: Relais modules with two relays. For signalizing commands or different states of the circuit-breaker. Two relays per unit. Actuation reason can be configured in the trip unit. Configuration via communication or circuit breaker display or front USB connection and Eaton Power Xpert Protection Manager. Only suitable for use in conjunction with circuit-breakers with electronic releases. Relais modules cannot be installed simultaneously with early-make contact NZM..-XHIV, or untervoltage release NZM..-XU..., or shunt release NZM..-XA... Relay coil actuated by trip unit. Relay contact for control wiring. Control wiring to push-in terminals. Cannot be used with PXR10 NZM-AE electronic release.

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Approvals

Delivery program

Product range
Accessories
Accessories
Relay module I
Accessories
Relay module
Standard/Approval
UL/CSA, IEC
Construction size
NZM2/3
Description
For signalizing commands or different states of the circuit-breaker.
Two relays per unit.

The activation criteria can be configured in the trip unit.
Configuration via communication or circuit breaker display or front USB port and Eaton Power Xpert Protection Manager.
Only for use in combination with circuit-breakers with electronic trips.
Relay components cannot be installed simultaneously with make-before-break auxiliary breaker NZM..-XHIV, the under-voltage trip NZM..-XU.... or the shunt trip NZM..-XA....
Relay contacts for control wiring.
Relays can be used for controlling remote operator with Us=208-204 V AC.
Control wiring on push-in clamps.
Cannot be used with the PXR10 NZM-AX electronic trip.
Connection type
with push in terminal
For use with
PXR20(25) NZM2(-4)-..X…
PXR20(25) NZM3(-4)-..X…
Number of relays
2
Contact sequence



Technical data

Relay contacts
Rated control voltage [U_s]AC [U_s]
24-240 V AC
Rated control voltage [U_s]DC [U_s]
24-24 V DC
ContactsRated impulse withstand voltage [U_{imp}]
4000 V AC
ContactsRated insulation voltage [U_i]
250 V
ContactsOvervoltage category/pollution degree
II/2
Switching capacityRated operational currentAC–124 V [I_e]
1 A
Switching capacityRated operational currentAC–1110 V [I_e]
1 A
Switching capacityRated operational currentAC–1230 V [I_e]
1 A
Switching capacityRated operational currentDC-124 V [I_e]
1 A
Switching capacityMin. switching capacity (reference value)
0.1 mA / 0.1 VDC
ConnectionStripping length
8 mm
Connection**Terminal capacity**Solid
1 x (0.2 – 1.5) mm^2
Connection**Terminal capacity**Stranded
1 x (0.25 – 1.5) mm^2
Connection**Terminal capacity**
1 x (24 - 16) AWG
Connection**Terminal capacity**with insulated end sleeve in accordance with DIN46224 / 4
1 x (0,25 - 1,5) mm^2
Connection**Terminal capacity**with uninsulated end sleeve in accordance with DIN46228 / 1
1 x (0,25 - 0,75) mm^2

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) / Accessories for low-voltage switch technology (EC002498)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])
Type of accessory
Other

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.
1437-01
North America Certification
UL listed, CSA certified

IL012141ZU shunt trip, under-voltage trip, leading auxiliary contact

- IL012141ZU shunt trip, under-voltage trip, leading auxiliary contact (PDF)

Product photo

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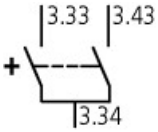
Wiring diagram

- 

  Contact sequence
  Wiring diagram
  Line drawing

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