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NZM2/3-XAHIV12AC/DC-PI - Shunt release for NZM2/3, 1 early-make auxiliary contact, 2NO, 12AC/DC, Push-in terminals

189810 NZM2/3-XAHIV12AC/DC-PI

Overview Specifications Resources

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189810 NZM2/3-XAHIV12AC/DC-PI

Shunt release for NZM2/3, 1 early-make auxiliary contact, 2NO, 12AC/DC, Push-in terminals
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: Shunt releases with one early-make contact and push-in terminals. Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented. Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4). Shunt release modules cannot be installed simultaneously with early-make contact NZM..-XHIV, untervoltage release NZM..-XU..., relais modules NZM..-X2A..., or remote operator NZM..-XR..

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

Delivery program

Product range
Accessories
Accessories
Shunt release
Accessories
Shunt releases
Standard/Approval
UL/CSA, IEC
Construction size
NZM2/3
Description
When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented.
Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4).
Shunt release modules cannot be installed simultaneously with early-make contact NZM..-XHIV, untervoltage release

NZM..-XU.., relais modules NZM..-X2A..., or remote operator NZM..-XR..
Connection type
with push in terminal
Auxiliary contacts
with early-make auxiliary contact
Rated control voltage [U_s]
12 V AC/DC V
For use with
NZM2(-4), N(S)2(-4)
NZM3(-4), N(S)3(-4)

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) / Shunt release (for power circuit breaker) (EC001023)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Full load current trip (ecl@ss10.0.1-27-37-04-18 [AKF016013])
Rated control supply voltage Us at AC 50HZ
12 - 12 V
Rated control supply voltage Us at AC 60HZ
12 - 12 V
Rated control supply voltage Us at DC
12 - 12 V

Voltage type for actuating
AC/DC
Initial value of the undelayed short-circuit release - setting range
0 A
End value adjustment range undelayed short-circuit release
0 A
Type of electric connection
Spring clamp connection
Number of contacts as normally open contact
1
Number of contacts as normally closed contact
0
Number of contacts as change-over contact
0
Suitable for power circuit breaker
Yes
Suitable for off-load switch
Yes
Suitable for motor safety switch
Yes
Suitable for overload relay
No

Product photo

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Photo
Product photo
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Product photo
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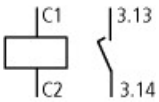
Product photo
Photo

Wiring diagram

- 

123S018
Wiring diagram
Line drawing
Shunt release with early-make auxiliary contacts

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