Powering Business Worldwide

NZM2/3-XU18DC-PI - Undervoltage release for NZM2/3, 18DC, Push-in terminals

189756 NZM2/3-XU18DC-PI

Overview Specifications Resources

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189756 NZM2/3-XU18DC-PI

Undervoltage release for NZM2/3, 18DC, 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: Undervoltage releases with push-in terminals. Non-delayed disconnection of circuit-breaker NZM when control voltage drops below 35 - 70 % Us. For use with emergency switching off devices in conjunction with emergency switching off buttom. When the undervoltage release is de-energized, accidental contact with the main contacts of the circuit-breaker dureing attempts to switch on is reliably prevented. Undervoltage release modules cannot be installed simultaneously with early-make contact NZM..-XHIV, shunt release NZM..-XA... or relais modules NZM..-X2A...

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

Delivery program

Product range
Accessories
Accessories
Undervoltage release
Accessories
Undervoltage releases
Standard/Approval
UL/CSA, IEC
Construction size
NZM2/3
Description
Instantaneous shut-off of the NZM circuit breaker when the control voltage drops below 35 - 70% Us.
For use with emergency-stop devices in connection with an emergency-stop button.

If the shunt trip is live, contact with the circuit breaker’s primary contacts is prevented when switched on.
Undervoltage release modules cannot be installed simultaneously with early-make contact NZM..-XHIV, shunt release NZM..-XA… or relais modules NZM..-X2A...
Connection type
with push in terminal
Auxiliary contacts
without auxiliary contact
Rated control voltage [U_s]
18 V DC V
For use with
NZM2(-4), N(S)2(-4)
NZM3(-4), N(S)3(-4)

Technical data

Undervoltage release
Rated control voltage [U_s]Rated control voltage [U_s]
18 V DC V

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) / Under voltage coil (EC001022)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Undervoltage trip (ecl@ss10.0.1-27-37-04-17 [AKF015013])
Rated control supply voltage Us at AC 50 HZ
0 - 0 V
Rated control supply voltage Us at AC 60 HZ
0 - 0 V
Rated control supply voltage Us at DC
18 - 18 V
Voltage type for actuating
DC
Type of electric connection
Spring clamp connection
Number of contacts as normally open contact
0
Number of contacts as normally closed contact
0
Number of contacts as change-over contact
0
Delayed
No
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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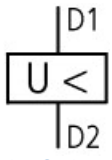
Wiring diagram

- 

123S013
Wiring diagram
Line drawing
Symbol, undervoltage releases

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