DATASHEET - NZM2/3-XU18DC-PI

Part no.

Catalog No.



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

189756

NZM2/3-XU18DC-PI



Similar to illustration

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 NZMXHIV, shunt release NZMXA or relais modules NZMX2A
Connection type			with push in terminal
Auxiliary contacts			without auxiliary contact
Rated control voltage	Us	V	18 V DC
For use with			NZM2(-4), N(S)2(-4) NZM3(-4), N(S)3(-4)

Technical data .. .

Undervoltage release				
Rated control voltage	Us	V		
Rated control voltage	Us	V	18 V DC	

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) / 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 50HZ	V		0 - 0		
Rated control supply voltage Us at AC 60HZ	V		0 - 0		
Rated control supply voltage Us at DC	V		18 - 18		
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		