Undervoltage release, 24 V DC, +2early N/O



Part no. NZM1-XUHIV24DC 259547

General specifications	
Product name	Eaton Moeller series NZM release
Part no.	NZM1-XUHIV24DC
EAN	4015082595470
Product Length/Depth	37 millimetre
Product height	66 millimetre
Product width	32 millimetre
Product weight	0.086 kilogram
Compliances	UL/CSA IEC RoHS conform
Certifications	CSA (Class No. 1437-01) CSA-C22.2 No. 5-09 UL (Category Control Number DIHS) CSA certified CSA (File No. 22086) UL (File No. E140305) UL489 CE marking UL listed IEC60947
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Release
Delivery program	
Туре	Accessory Undervoltage release Undervoltage release with early-make auxiliary contact
Special features	Undervoltage release with 2 early-make auxiliary contacts, e.g., for early-make connection of undervoltage release in main switch applications, as well as for interlock and load shedding circuits. For use with emergency-stop devices in connection with an emergency-stop button. When the under-voltage trip is switched off, accidental contact with the circuit breaker's primary contacts is prevented when switched on. Early make of auxiliary contacts on switching on ar off (manual operation): approx. 20 ms Undervoltage releases cannot be installed simultaneously with NZMXHIV early-make auxiliary contact or NZMXA shunt release.
Frame	NZM1
Fitted with:	Two early-make auxiliary contacts
Suitable for	Off-load switch
Used with	NZM1(-4), N(S)1(-4)
Technical Data - Electrical	
Voltage type	DC
Rated control voltage (relay contacts)	24 V DC
Rated control supply voltage	24 V DC
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	0 V
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
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Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	24 V
Voltage tolerance - min	0.85
Voltage tolerance - max	1.1
Drop-out voltage of undervoltage release AC/DC - min	0.35 x Us
Drop-out voltage of undervoltage release AC/DC - max	0.7 x Us
Power consumption	0.8 W (sealing DC) 1.5 VA (sealing AC)
Pick-up power consumption at AC (undervoltage release)	1.5 V·A

Fechnical Data - Mechanical - Terminals Terminal capacity (solid/flexible conductor) Terminal capacity (solid/fl	Pick-up power consumption at DC (undervoltage release)	0.8 W
Minimum command time - max Sim	Reaction time	19 ms
Screw connection type	Minimum command time - min	10 ms
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10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Short-circuits or external conductors 15 the panel builder's responsibility. 16 the panel builder's responsibility. 17 The panel builder is responsibility observed. 18 the panel builder is responsibility. The specifications for the switchgear must be observed. 19 The panel builder's responsibility. The specifications for the switchgear must be observed. 10 The device meets the requirements, provided the information in the instruction.	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Steppanel builder's responsibility. The specifications for the switchgear must be observed. 10.15 The panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 The panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 Mechanical function 10.16 The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Testing of enclosures made of insulating material 15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 The panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength	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	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
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	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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	10.10 Temperature rise	
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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	10.13 Mechanical function	· · · · · · · · · · · · · · · · · · ·

Technical data ETIM 9.0

iccimical data Ethii 3.0				
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@ss13-27-37-04-17 [AKF015018])				
Rated control supply voltage AC 50 Hz	V	0 - 0		
Rated control supply voltage AC 60 Hz	V	0 - 0		
Rated control supply voltage DC	V	24 - 24		
Voltage type for actuating		DC		
Type of electric connection		Screw connection		

Number of contacts as normally open contact	2
Number of contacts as normally closed contact	0
Number of contacts as change-over contact	0
Delayed	No
Suitable for power circuit breaker	No
Suitable for off-load switch	Yes
Suitable for motor safety switch	No
Suitable for overload relay	No