Undervoltage release, 110-130VDC



Part no. NZM1-XU110-130DC 259458

General specifications	
Product name	Eaton Moeller series NZM release
Part no. EAN	NZM1-XU110-130DC
	4015082594589
Product Length/Depth	37 millimetre
Product height	66 millimetre
Product width	32 millimetre
Product weight	0.044 kilogram
Compliances	UL/CSA IEC RoHS conform
Certifications	CSA (Class No. 1437-01) IEC60947 CSA (File No. 22086) UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 UL (File No. E140305) UL listed CSA certified CE marking UL489
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Release
Delivery program	
Туре	Accessory Undervoltage release
Special features	Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US. 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. Undervoltage releases cannot be installed simultaneously with NZMXHIV early-make auxiliary contact or NZMXA shunt release.
Frame	NZM1
Suitable for	Off-load switch
Used with	NZM1(-4), N(S)1(-4)
Technical Data - Electrical	
Voltage type	AC
Rated control voltage (relay contacts)	110 V DC 130 V DC
Rated control supply voltage	110 - 130 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, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min	110 V
Rated control supply voltage (Us) at DC - max	130 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
Pick-up power consumption at DC (undervoltage release)	0.8 W

when the control voltage sinks below 35 – 70% US. For use with emergence devices in connection with an emprey step button. When the undervoir prise switched off, accidental contact with the bundervoir prise switched off, accidental contact with the bunder prise prevented with a switched off, accidental contact with the undervoir prise switched off, and the prise pris	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 Stream of external conductors 10.15 the panel builder's responsibility. 10.16 Is the panel builder's responsibility. 10.17 Is the panel builder's responsibility. The specifications for the switchgear observed. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Is the panel builder's responsibility. The specifications for the switchgear observed. 10.15 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.
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 Is the panel builder's responsibility. Is the panel builder is responsible for the temperature rise calculation. Eator provide heat dissipation data for the devices. Is the panel builder's responsibility. The specifications for the switchgear observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
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 Esting of enclosures made of insulating material 15 the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eator provide heat dissipation data for the devices. 15 the panel builder's responsibility. The specifications for the switchgear observed. 16 the panel builder's responsibility. The specifications for the switchgear observed. 17 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 The panel builder is responsibility. The panel builder is responsible for the temperature rise calculation. Eator provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear observed. 10.13 Mechanical function 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. Eator provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear to observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear to 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 observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear 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 observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruc	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruc	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 9.0

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 110 - 130 Voltage type for actuating Voltage type for actuating Type of electric connection Number of contacts as normally open contact Number of contacts as normally closed contact O Number of contacts as normally closed contact O	Tooliii data ETTIV 0.0					
Rated control supply voltage AC 50 Hz Rated control supply voltage AC 60 Hz V 0 - 0 Rated control supply voltage DC V 110 - 130 Voltage type for actuating AC Type of electric connection Number of contacts as normally open contact Number of contacts as normally closed contact O Number of contacts as normally closed contact O	Low-voltage industrial components (EG000017) / Under voltage coil (EC001022)					
Rated control supply voltage AC 60 Hz V 0 - 0 Rated control supply voltage DC V 110 - 130 AC Type of electric connection Number of contacts as normally closed contact Number of contacts as normally closed contact O Number of contacts as normally closed contact O O O O O O O O O O O O O	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 DC V 110 - 130 Voltage type for actuating AC Type of electric connection Number of contacts as normally open contact Number of contacts as normally closed contact O Number of contacts as normally closed contact O	Rated control supply voltage AC 50 Hz		V	0 - 0		
Voltage type for actuating AC Type of electric connection Screw connection Number of contacts as normally open contact O Number of contacts as normally closed contact O	Rated control supply voltage AC 60 Hz		٧	0 - 0		
Type of electric connection Number of contacts as normally closed contact O Number of contacts as normally closed contact O	Rated control supply voltage DC		٧	110 - 130		
Number of contacts as normally open contact Number of contacts as normally closed contact 0 0	Voltage type for actuating			AC		
Number of contacts as normally closed contact 0	Type of electric connection			Screw connection		
· · · · · · · · · · · · · · · · · · ·	Number of contacts as normally open contact			0		
Number of contacts as change-over 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	No
Suitable for off-load switch	Yes
Suitable for motor safety switch	No
Suitable for overload relay	No