Undervoltage release, 480-525VAC



Part no. NZM1-XU480-525AC 259446

General specifications	
Product name	Eaton Moeller series NZM release
Part no.	NZM1-XU480-525AC
EAN	4015082594466
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 (File No. 22086) CSA certified UL listed UL (Category Control Number DIHS) CE marking UL489 IEC60947 UL (File No. E140305) CSA-C22.2 No. 5-09 CSA (Class No. 1437-01)
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)	525 V AC 480 V AC
Rated control supply voltage	480 - 525 V 50/60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min	480 V
Rated control supply voltage (Us) at AC, 50 Hz - max	525 V
Rated control supply voltage (Us) at AC, 60 Hz - min	480 V
Rated control supply voltage (Us) at AC, 60 Hz - max	525 V
Rated control supply voltage (Us) at DC - min	0 V
Rated control supply voltage (Us) at DC - max	0 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	1.5 VA (sealing AC) 0.8 W (sealing DC)
Pick-up power consumption at AC (undervoltage release)	1.5 V·A
Pick-up power consumption at DC (undervoltage release)	0.8 W
Reaction time	19 ms

when the control voltage sinks believ 35 – 70% US. For use with emerge devices in connection with an ecronection with an ecrosent possibility of the the under trip is switched off, accidental contact with the circuit breaker's primary is prevented when switched not excidental contact with the circuit breaker's primary is prevented when switched not exceed when switched when switched not exceed a simultaneously with NZMs.—XHIV.—Early-make auxiliary contact or NZM shurt release. Technical Data - Mechanical - Terminals Terminal capacity (solid/flexible conductor) 18 - 14 AWG (2) at shurt release. 19 - 14 AWG (2) at shurt release. 19 - 14 AWG (2) at shurt release swith ferrule of 15 mm² - 25 mm² (12) at shurt release. Solid-sleyed with ferrule of 15 mm² - 25 mm² (12) at shurt release with ferrule of 15 mm² - 25 mm² (24) at shurt release with ferrule of 15 mm² - 25 mm² (24) at shurt release with ferrule of 15 mm² - 25 mm² (24) at shurt release with fer	Minimum command time - min	10 ms
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observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchge observed. 10.13 Mechanical function The device meets the requirements, provided the information in the inst	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 inst	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.
1541154 [1.2] 15 55551 7541	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Under voltage coil (EC001022)				
25W Voltage Industrial Components (2500001777 Chaof Voltage Con (25001022)				
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	480 - 525		
Rated control supply voltage AC 60 Hz	V	480 - 525		
Rated control supply voltage DC	V	0 - 0		
Voltage type for actuating		AC		
Type of electric connection		Screw 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	No
Suitable for off-load switch	Yes
Suitable for motor safety switch	No
Suitable for overload relay	No