## Shunt release, 24VAC/DC

Part no. NZM1-XAL24AC/DC

259736

**EL Number** 4358725

(Norway)



General specifications	
Product name	Eaton Moeller series NZM release
Part no.	NZM1-XAL24AC/DC
EAN	4015082597368
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	IEC60947 UL (File No. E140305) CSA certified UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 UL listed CSA (File No. 22086) UL489 CSA (Class No. 1437-01) CE marking
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Release
Delivery program	
Туре	Accessory Shunt release
Special features	Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on. Shunt releases cannot be installed simultaneously with NZMXHIV early-make auxiliary contact or NZMXU undervoltage release.
Frame	NZM1
Suitable for	Off-load switch
Used with	NZM1(-4), N(S)1(-4)
Technical Data - Electrical	
Voltage type	AC/DC
Voltage rating	0.7 - 1.1 x Us
Voltage rating at AC (x Us) - min	0.7
Voltage rating at AC (x Us) - max	1.1
Rated control voltage (relay contacts)	24 V DC 24 V AC
Rated control supply voltage	24 V AC/DC
Rated control supply voltage (Us) at AC, 50 Hz - min	24 V
Rated control supply voltage (Us) at AC, 50 Hz - max	24 V
Rated control supply voltage (Us) at AC, 60 Hz - min	24 V
Rated control supply voltage (Us) at AC, 60 Hz - max	24 V
Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	24 V
Frequency rating	50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release)
Pick-up power consumption (shunt release)	2.5 VA/W
Reaction time	20 ms
Time on duty - max	00
Minimum command time - min	10 ms
Minimum command time - max	15 ms

Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  O  Number of contacts (normally closed contacts)  O  O  Connection type  Special features  With 3 m connection cable instead of screw termination  Switches are tripped by a voltage pulse or by the application of uninterrupted voltage (I the short trip is live, contact with the circuit breaker's primary contact values of the contact with the circuit breaker's primary contact values and values of the contact value of the contact value values values of the contact value values of the contact value values v	Electric connection type	Screw connection
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With 3 m connection cable instead of screw termination	Number of contacts (normally closed contacts)	0
Special features  Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. The shunt this is key, contact with the circuit breaker's primary contact with MZM_XHIV_early-make auxiliary contact or NZM_XU_undervoltage releases, off-cellayed conductor)  Technical Data - Mechanical - Terminals  Terminal capacity (solid/flexible conductor)  Terminal capacity (sol	Number of contacts (normally open contacts)	0
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Terminal capacity (solid/flexible conductor)  10.75 mm² - 2.5 mm² (12.0) for undervoltage releases, off-delayed with ferrule 18 - 14 AWG (12.4) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (12.0) to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed with ferrule 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage releases, off-delayed 18 - 14 AWG (13.10 to undervoltage release	Special features	voltage. If the shunt trip is live, contact with the circuit breaker's primary contact is prevented when switched on. Shunt releases cannot be installed simultaneous with NZMXHIV early-make auxiliary contact or NZMXU undervoltage
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	· · · · · · · · · · · · · · · · · · ·

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Shunt release (for power circuit breaker) (EC001023)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Full load current trip (ecl@ss13-27-37-04-18 [AKF016018])				
Rated control supply voltage AC 50 Hz	V	24 - 24		
Rated control supply voltage AC 60 Hz	V	24 - 24		
Rated control supply voltage DC	V	24 - 24		
Voltage type for actuating		AC/DC		
Initial value of the undelayed short-circuit release - setting range	А	0		
End value adjustment range undelayed short-circuit release	А	0		
Power consumption	W			
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		

Suitable for power circuit breaker	No
Suitable for off-load switch	Yes
Suitable for motor safety switch	No
Suitable for overload relay	No