Shunt release, 60VAC/DC



Part no. NZM2/3-XA60AC/DC 259758

General specifications	
Product name	Eaton Moeller series NZM release
Part no.	NZM2/3-XA60AC/DC
EAN	4015082597580
Product Length/Depth	42 millimetre
Product height	90 millimetre
Product width	30 millimetre
Product weight	0.064 kilogram
Compliances	IEC UL/CSA RoHS conform
Certifications	CSA-C22.2 No. 5-09 UL (Category Control Number DIHS) UL (File No. E140305) UL489 CE marking UL listed CSA certified CSA (File No. 22086) CSA (Class No. 1437-01) IEC60947
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	NZM2/3
Suitable for	Off-load switch
Used with	NZM3(-4), N3(-4) NZM2(-4), N2(-4)
Technical Data - Electrical	
Voltage type	AC
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)	60 V DC 60 V AC
Rated control supply voltage	60 V AC/DC
Rated control supply voltage (Us) at AC, 50 Hz - min	60 V
Rated control supply voltage (Us) at AC, 50 Hz - max	60 V
Rated control supply voltage (Us) at AC, 60 Hz - min	60 V
Rated control supply voltage (Us) at AC, 60 Hz - max	60 V
Rated control supply voltage (Us) at DC - min	60 V
Rated control supply voltage (Us) at DC - max	60 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
Minimum Communic - MAX	13 1113

is prevented when switched on. Shunt releases cannot be installed simultaneou with NZM.—XIIV. early-make auxiliary contact or NZM.—XU. undervoltage release. Technical Data - Mechanical - Terminals Terminal capacity (solidflexible conductor) O.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 1.9 m 4 MVG (2.) at shunt release with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.75 mm² - 2.5 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.25 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.25 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.25 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.25 mm² (2.) for undervoltage releases, off-delayed with ferrule 2.25 mm² (2.) for undervoltage releases, off-delayed 2.25 mm² (2.) for undervoltage with ferrule 2.25 mm² (2.) for undervol	Electric connection type	Screw connection
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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. 10.9.2 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 responsibility. 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 lobserved. 10.12 Electromagnetic compatibility The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
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. 10.9.2 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 responsibility of 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 The device meets the requirements, provided the information in the instruction.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections 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 and connections 10.15 Is the panel builder's responsibility. 10.16 Is the panel builder's responsibility. 10.17 Is the panel builder is responsibility. 10.18 Is the panel builder is responsibility. 10.19 Is the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Electrometric function 10.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.19 The device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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 10.14 Short-circuit ration 10.15 The panel builder's responsibility. The specifications for the switchgear must to observed. 10.15 The panel builder's responsibility. The specifications for the switchgear must to observed. 10.16 The panel builder's responsibility. The specifications for the switchgear must to observed. 10.17 Mechanical function 10.18 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 10.14 Is the panel builder's responsibility. The specifications for the switchgear must to observed. 10.15 the panel builder's responsibility. The specifications for the switchgear must to observed. 10.15 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 10.14 Short-circuit rating 15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 Short-circuit rating 15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 Short-circuit rating 16 the panel builder's responsibility. The specifications for the switchgear must be 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 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Is 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 Is 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 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Short-circuit rating 10.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.16 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 to observed.
	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	V 60 - 60		
Rated control supply voltage AC 60 Hz	V	V 60 - 60		
Rated control supply voltage DC	V	V 60 - 60		
Voltage type for actuating		AC		
Initial value of the undelayed short-circuit release - setting range	Α	A 0		
End value adjustment range undelayed short-circuit release	Α	A 0		
Power consumption	W	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