

Shunt release for NZM2/3, 1 early-make auxiliary contact, 2NO, 48AC/DC, Push-in terminals



Powering Business Worldwide™

Part no. NZM2/3-XAHIV48AC/DC-PI

189812

EL Number

4362987

(Norway)

Product name	Eaton Moeller series NZM - Molded Case Circuit Breaker
Part no.	NZM2/3-XAHIV48AC/DC-PI
EAN	4015081878079
Product Length/Depth	115 millimetre
Product height	65 millimetre
Product width	75 millimetre
Product weight	0.08 kilogram
Compliances	UL/CSA IEC RoHS conform
Product Tradename	NZM
Product Type	Molded Case Circuit Breaker
Product Sub Type	None
Type	Accessory Shunt release
Special features	When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented. Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4). Shunt release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, undervoltage release NZM...-XU..., relays modules NZM...-X2A..., or remote operator NZM...-XR...
Frame	NZM2/3
Fitted with:	Early-make auxiliary contact
Suitable for	Motor safety switch Off-load switch
Used with	NZM2(-4), N(S)2(-4) NZM3(-4), N(S)3(-4)
Voltage type	AC/DC
Rated control supply voltage	48 V AC/DC
Rated control supply voltage (Us) at AC, 50 Hz - min	48 V
Rated control supply voltage (Us) at AC, 50 Hz - max	48 V
Rated control supply voltage (Us) at AC, 60 Hz - min	48 V
Rated control supply voltage (Us) at AC, 60 Hz - max	48 V
Rated control supply voltage (Us) at DC - min	48 V
Rated control supply voltage (Us) at DC - max	48 V
Electric connection type	Spring clamp connection
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	0
Number of contacts (normally open contacts)	1
Connection type	With push in terminal
Special features	When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented. Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4). Shunt release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, undervoltage release NZM...-XU..., relays modules NZM...-X2A..., or remote operator NZM...-XR...
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of assemblies		Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		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 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 leaflet (IL) is observed.

Technical data ETIM 8.0

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@ss10.0.1-27-37-04-18 [AKF016013])		
Rated control supply voltage Us at AC 50HZ	V	48 - 48
Rated control supply voltage Us at AC 60HZ	V	48 - 48
Rated control supply voltage Us at DC	V	48 - 48
Voltage type for actuating		AC/DC
Initial value of the undelayed short-circuit release - setting range	A	0
End value adjustment range undelayed short-circuit release	A	0
Type of electric connection		Spring clamp connection
Number of contacts as normally open contact		1
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		Yes
Suitable for overload relay		No