



Undervoltage release for NZM2/3, 24AC, Push-in terminals

Part no. NZM2/3-XU24AC-PI
189750
EL Number 4363007
(Norway)

General specifications		
Product name		Eaton Moeller series NZM release
Part no.		NZM2/3-XU24AC-PI
EAN		4015081877454
Product Length/Depth		115 millimetre
Product height		65 millimetre
Product width		75 millimetre
Product weight		0.08 kilogram
Compliances		RoHS conform UL/CSA IEC
Product Tradename		NZM
Product Type		Accessories
Product Sub Type		Release
Delivery program		
Type		Accessory Undervoltage release
Special features		Undervoltage release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, shunt release NZM...-XA... or relais modules NZM...-X2A... When the under-voltage trip is switched off, accidental contact with the circuit breaker's primary contacts is prevented when switched on. For use with emergency-stop devices in connection with an emergency-stop button. Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US.
Frame		NZM2/3
Suitable for		Off-load switch Motor safety switch
Used with		NZM3(-4), N(S)3(-4) NZM2(-4), N(S)2(-4)
Technical Data - Electrical		
Voltage type		AC
Rated control supply voltage		24 V 50/60 Hz
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		0 V
Rated control supply voltage (Us) at DC - max		0 V
Electric connection type		Screw connection
Technical Data - Mechanical		
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		0
Number of contacts (normally open contacts)		0
Connection type		With push in terminal
Special features		Undervoltage release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, shunt release NZM...-XA... or relais modules NZM...-X2A... When the under-voltage trip is switched off, accidental contact with the circuit breaker's primary contacts is prevented when switched on. For use with emergency-stop devices in connection with an emergency-stop button. Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US.
Design verification as per IEC/EN 61439		
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 9.0

Low-voltage industrial components (EG000017) / Under voltage coil (EC001022)			
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	24 - 24	
Rated control supply voltage AC 60 Hz	V	24 - 24	
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		Yes	
Suitable for overload relay		No	