

Delay unit

Part no.

UVU-NZM

**EL Number
(Norway)**

260154

4358722

General specifications		
Product name		Eaton Moeller series NZM release
Part no.		UVU-NZM
EAN		4015082601546
Product Length/Depth		100 millimetre
Product height		114 millimetre
Product width		74 millimetre
Product weight		0.847 kilogram
Compliances		IEC RoHS conform
Product Tradename		NZM
Product Type		Accessories
Product Sub Type		Release
Delivery program		
Type		Accessory Undervoltage release Undervoltage release, off-delayed
Special features		Delay unit for combination with special undervoltage releases. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved Voltage dips of less than the setting between 0.06 – 16 s do not cause disconnection of the NZM circuit-breaker or N switch-disconnector. Delay time can be set from: 70 ms – 4 s. With additional external capacitor: 30,000 µF ≥ 35 V to 8 s, 90,000 µF ≥ 35 V to 16 s. A special release is required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. Delay unit for separate installation. Fixing: top-hat rail or screws. For other operating voltages use a control transformer.
Frame		NZM1/2/3/4
Suitable for		Off-load switch
Used with		N(S)1(-4), 2(-4), 3(-4), 4(-4) 50/60 Hz 220 V - 240 V 380 V - 440 V 480 V - 550 V DC/AC 24 V NZM1(-4), 2(-4), 3(-4), 4(-4) N(S)1(-4), 2(-4), 3(-4), 4(-4) 50/60 Hz 220 V - 240 V 380 V - 440 V 480 V - 550 V DC/AC 24 V
Technical Data - Electrical		
Voltage type		AC/DC
Voltage rating at DC		24 V DC
Voltage rating at AC		220 - 550 V AC
Rated control supply voltage (Us) at AC, 50 Hz - min		24 V
Rated control supply voltage (Us) at AC, 50 Hz - max		550 V
Rated control supply voltage (Us) at AC, 60 Hz - min		24 V
Rated control supply voltage (Us) at AC, 60 Hz - max		550 V
Rated control supply voltage (Us) at DC - min		24 V
Rated control supply voltage (Us) at DC - max		24 V
Rated operation current (Ie)		< 0.5 A
Power consumption		50 VA
Delay time		70 - 4000 ms (undervoltage releases, off-delayed)
Delay time with additional external capacitor		8 s (30 mF) 16 s (90 mF)
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 bolt connection
Special features		Delay unit for combination with special undervoltage releases. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved Voltage dips of less than the setting between 0.06 – 16 s do not cause disconnection of the NZM circuit-breaker or N switch-disconnector. Delay time can be set from: 70 ms – 4 s. With additional external capacitor: 30,000 µF ≥ 35 V to 8 s, 90,000 µF ≥ 35 V to 16 s. A special release is required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. Delay unit for separate installation. Fixing: top-hat rail or screws. For other operating voltages use a control transformer.
Technical Data - Mechanical - Terminals		
Terminal capacity (solid/flexible conductor)		20 - 14 AWG (1x) at shunt release 20 - 16 AWG (2x) at shunt release 0.5 mm ² - 1.5 mm ² (2x) at shunt release with ferrule 0.5 mm ² - 1.5 mm ² (2x) for undervoltage releases, off-delayed with ferrule 0.5 mm ² - 2.5 mm ² (1x) at shunt release with ferrule 18 - 14 AWG (1x) for undervoltage releases, off-delayed 0.5 mm ² - 2.5 mm ² (1x) for undervoltage releases, off-delayed with ferrule
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.
Additional information		
Functions		Delayed

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 - 550
Rated control supply voltage AC 60 Hz	V	24 - 550
Rated control supply voltage DC	V	24 - 24
Voltage type for actuating		AC/DC
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		Yes
Suitable for power circuit breaker		No
Suitable for off-load switch		Yes
Suitable for motor safety switch		No

Suitable for overload relay

No