

### Undervoltage release, 2early N/O, for delay unit

Powering Business Worldwide\*

Part no. NZM1-XUVHIVL Article no. 271608

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Product range	Accessories
Accessories	Undervoltage release
Accessories	Undervoltage release for use with delay unit UVU
Standard/Approval	IEC
Construction size	NZM1
Description	Combination of separate delay unit and special releases. For use with emergency switching off devices in conjunction with Emergency switching off button. not UL/CSA approved Special releases for combining with separate delay time. UVU-NZM delay unit is additionally required. Cannot be installed simultaneously with separate NZMXHIV early-make auxiliary contact or NZMXA shunt release. Cannot be used in conjunction with NZMXR remote operator. Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.
Connection type	with 3 m loose connection cable instead of screw termination
Auxiliary contacts	with 2 early-make auxiliary contacts
For use with	NZM1(-4) N(S)1(-4)

#### **Technical data**

#### Undervoltage releases, off-delayed

Rated operational voltage	U <sub>e</sub>	V	
	U <sub>e</sub>	V DC	18
Terminal capacities		$\mathrm{mm}^2$	
Solid or flexible conductor, with ferrule		mm <sup>2</sup>	1 x (0,75 - 2,5) 2 x (0,75 - 2,5)
		AWG	1 x (18 14) 2 x (18 14)

# Design verification as per IEC/EN 61439

10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.2.8 Degree of protection of ASSEMBLIES  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Testing of enclosures made of insulating material  10.9.2 Testing of enclosures made of insulating material  10.9 Insulation properties  10.9.2 Testing of enclosures made of insulating material  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.9.4 Testing of enclosures made of insulating material	EC/EN 61439 design verification	
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10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton provide heat dissipation data for the devices.	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.

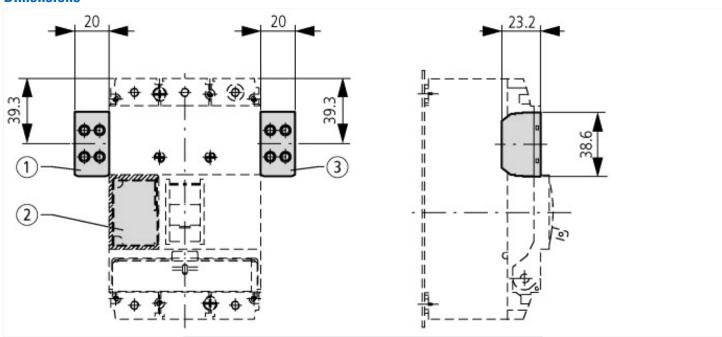
### **Technical data ETIM 6.0**

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@ss8.1-27-37-04-17 [AKF015010])		
Rated control supply voltage Us at AC 50HZ	V	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	0 - 0
Voltage type for actuating		DC
Type of electric connection		Screw 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
Delayed		Yes
Suitable for power circuit breaker		Yes
Suitable for off-load switch		Yes
Suitable for motor safety switch		No
Suitable for overload relay		No

# Approvals

Product Standards	UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.	E140305
UL Category Control No.	DIHS
CSA File No.	022086
CSA Class No.	1437-01
North America Certification	UL listed, CSA certified

### **Dimensions**



NZM1-XA(HIV) NZM1-XU(HIV)(20) NZM1-XHIV

NZM1-XA(HIV)(L) NZM1-XU(V)(HIV)(L)(20) NZM1-XHIV(L)



## **Additional product information (links)**

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL01203002Z2010\_11.pdf