



Undervoltage release, +2early N/O, for delay unit, +cable

Part no. **NZM2/3-XUVHIV20**  
 Catalog No. **259688**

### Delivery program

Product range		Accessories
Accessories		Undervoltage release
Accessories		Undervoltage release for use with delay unit UVU
Standard/Approval		IEC
Construction size		NZM2/3
Description		Combination of separate delay unit and special releases. For use with emergency-stop devices in connection with an emergency-stop 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 NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. Cannot be used in conjunction with NZM...-XR... remote operator. Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.
Connection type		With bolt connection Contacts 3.23 and 3.24 with separate 3 m connection cables
Auxiliary contacts		with two separate early-make auxiliary contacts
For use with		NZM2(-4), N(S)2(-4) NZM3(-4), N(S)3(-4)

### Technical data

#### Undervoltage releases, off-delayed

Rated operational voltage	U <sub>e</sub>	V	
	U <sub>e</sub>	V DC	18
Terminal capacities		mm <sup>2</sup>	
	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

IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties		
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 7.0

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@ss10.0.1-27-37-04-17 [AKF015013])			
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			2
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

## Additional product information (links)

<b>IL01208005Z (AWA1230-1915) Shunt release, Undervoltage release, Early-make auxiliary contact</b>	
IL01208005Z (AWA1230-1915) Shunt release, Undervoltage release, Early-make auxiliary contact	<a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01208005Z2018_02.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01208005Z2018_02.pdf</a>