#### **DATASHEET - NZM1-XHIVL**



Auxiliary contact, 2early N/O, operates as an early-make contact, 3m cable



Part no. Catalog No.	NZM1-XHIVL 259432
Catalog No.	209432

4358869

#### EL-Nummer (Norway)

**Technical data** 

Auxiliary contacts

Auxiliary contacts			
Rated operational voltage	U <sub>e</sub>	V	
Rated operational voltage	Ue	V AC	500
Rated operational voltage, max.	Ue	V DC	220
Conventional thermal current	$I_{th} = I_e$	CSA	4
Rated operational current	le	А	
Different rated operational currents when used as auxiliary contact for NZM circuit-breaker			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
hort-circuit protection			60 V le A 1.2 0.8 0.8 110 le A 0.8 0.5 0.5 V 220 le A 0.3 0.2 0.2 V
max. fuse		A gG/gL	. 10
Max. miniature circuit-breaker		Α	FAZ-B6
Operating times			
			Early-make time of the HIV compared to the main contacts during with make an break switching. (switch times with manual operation): NZM1, PN1, N(S)1: ca. 20 ms NZM2, PN2, N(S)2: ca. 20 ms NZM3, PN3, N(S)3: ca. 20 ms NZM4, N(S)4: approx. 90 ms, the HIV switch early <b>Off</b> switching <b>not</b> forward.
Ferminal 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)
JL/CSA			
Rated operational current	l <sub>e</sub>	A	2.5 A - 240 V AC 1 A - 250 V DC
Heavy Pilot Duty			C300/R300
Other technical data (sheet catalogue)			Maximum equipment and position of the internal accessories Time differences 0N-0FF

## Design verification as per IEC/EN 61439

IEC/EN 61439 design verification	
10.2 Strength of materials and parts	\$

10.2.2 Corrosion resistance

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

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**

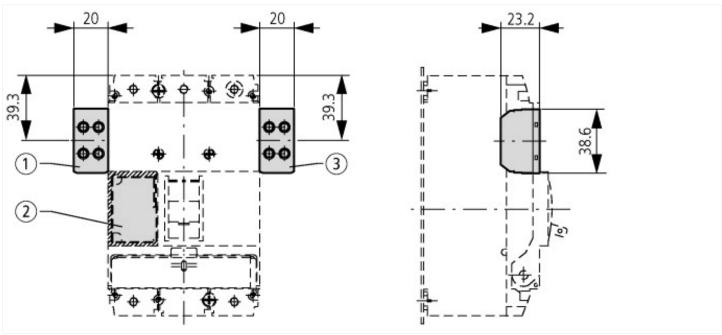
Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			0
Number of fault-signal switches			0
Rated operation current le at AC-15, 230 V		А	4
Type of electric connection			Screw connection
Model			Integrable
Mounting method			Other
Lamp holder			None

# 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



## Additional product information (links)

Maximum equipment and position of the internal accessories

Time differences ON-OFF

http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.178 http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.178