

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

Powering Business Worldwide*

Part no. NZM2/3-XHIV Article no. 259430

Technical data Auxiliary contacts

Auxiliary contacts				
Rated operational voltage	U _e	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	I _e	Α		
Different rated operational currents when used as auxiliary contact for NZM circuit-breaker			M22- M22- XHIV bei	
chort-circuit protection			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		A A	FAZ-B6	
Operating times		^	7712 50	
			Early-make time of the HIV compared to the main contacts during with make and 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 Off switching not forward.	
Terminal capacities		mm ²		
Solid or flexible conductor, with ferrule		mm ²	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	I _e	Α	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 ON-OFF	

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification

0.2 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 w provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear mu observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear mu 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) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss8.1-27-37-13-02 [AKN342010])

Number of contacts as change-over contact

Number of contacts as normally open contact

Number of contacts as normally closed contact

Rated operation current le at AC-15, 230 V

A 4

Type of electric connection

Model

Type of electric connection

Model

Approvals

Mounting method

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)

IL01208005Z (AWA1230-1915) Shunt release, Undervoltage release, Early-make auxiliary contact		
IL01208005Z (AWA1230-1915) Shunt release, Undervoltage release, Early-make auxiliary contact	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01208005Z2011_08.pdf	
Maximum equipment and position of the internal accessories	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.178	
Time differences ON-OFF	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.178	