

DATASHEET - NZM4-X2A



Relay module for NZM4, configurable, 2NO, 24DC, 24-230AC, PI



Part no. **NZM4-X2A**
Catalog No. **189723**

Similar to illustration

Delivery program

Product range		Accessories
Accessories		Relay module I
Accessories		Relay module
Standard/Approval		UL/CSA, IEC
Construction size		NZM4
Description		<p>For signaling commands or different states of the circuit-breaker.</p> <p>Two relays per unit.</p> <p>The activation criteria can be configured in the trip unit.</p> <p>Configuration via communication or circuit breaker display or front USB port and Eaton Power Xpert Protection Manager.</p> <p>Only for use in combination with circuit-breakers with electronic trips.</p> <p>Relay components cannot be installed simultaneously with make-before-break auxiliary breaker NZM...-XHIV, the under-voltage trip NZM...-XU.... or the shunt trip NZM...-XA....</p> <p>Relay contacts for control wiring.</p> <p>Relays can be used for controlling remote operator with $U_s=208-204$ V AC.</p> <p>Control wiring on push-in clamps.</p> <p>Cannot be used with the PXR10 NZM-AX electronic trip.</p>
Connection type		with push in terminal
For use with		PXR20(25) NZM4(-4)-...X...
Number of relays		2
Contact sequence		

Technical data

Relay contacts

Rated control voltage	U_s	V	
AC	U_s	V AC	24 - 240
DC	U_s	V DC	24 - 24
Contacts			
Rated impulse withstand voltage	U_{imp}	V AC	4000
Rated insulation voltage	U_i	V	250
Overvoltage category/pollution degree			III/3
Switching capacity		kA_{rms}	
Rated operational current			
AC-1			
24 V	I_e	A	1
110 V	I_e	A	1
230 V	I_e	A	1
DC-1			
24 V	I_e	A	1
Min. switching capacity (reference value)			10 ma / 12 V
Connection			
Stripping length		mm	8
Terminal capacity			
Solid		mm^2	1 x (0.2 - 1.5)

Stranded	mm ²	1 x (0.25 – 1.5)
	AWG	1 x (24 - 16)
with insulated end sleeve in accordance with DIN46224 / 4	mm ²	1 x (0,25 - 1,5)
with uninsulated end sleeve in accordance with DIN46228 / 1	mm ²	1 x (0,25 - 0,75)

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 8.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for low-voltage switch technology (EC002498)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])		
Type of accessory/spare part		Other
Accessory		Yes
Spare part		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)

IL01210005Z shunt trip, under-voltage trip, make-before-break auxiliary breaker		
IL01210005Z shunt trip, under-voltage trip, make-before-break auxiliary breaker	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01210005Z2010_10.pdf	

