

Relay module for NZM2/3, configurable, 2NO, 24DC, 24-230AC, PI



**Part no.** NZM2/3-X2A  
**189722**  
**EL Number** 4363017  
**(Norway)**

Product name	Eaton Moeller series NZM release
Part no.	NZM2/3-X2A
EAN	4015081877171
Product Length/Depth	115 millimetre
Product height	65 millimetre
Product width	75 millimetre
Product weight	0.06 kilogram
Compliances	IEC UL/CSA RoHS conform
Certifications	CE marking CSA certified CSA (File No. 22086) UL listed CSA-C22.2 No. 5-09 UL489 UL (Category Control Number DIHS) CSA (Class No. 1437-01) UL (File No. E140305) IEC60947
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Release
Type	Accessory Relay module
Accessory/spare part type	Relay module Other Accessory
Special features	For signaling commands or different states of the circuit-breaker. Two relays per unit. The activation criteria can be configured in the trip unit. Configuration via communication or circuit breaker display or front USB port and Eaton Power Xpert Protection Manager. Only for use in combination with circuit-breakers with electronic trips. 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.... Relay contacts for control wiring. Relays can be used for controlling remote operator with Us=208-204 V AC. Control wiring on push-in clamps. Cannot be used with the PXR10 NZM-AX electronic trip.
Frame	NZM2/3
Used with	PXR20(25) NZM2(-4)-.X... PXR20(25) NZM3(-4)-.X...
Rated insulation voltage (Ui)	250 V
Rated impulse withstand voltage (Uimp)	4 kV AC
Rated control voltage (relay contacts)	24 V AC 24 V DC 240 V AC
Rated operational current	1 A (230 V AC-1, relay contacts) 1 A (24 V DC-1, relay outputs) 1 A (24 V AC-1, relay contacts) 1 A (110 V AC-1, relay contacts)
Switching capacity (reference value) - min	0.1 mA / 0.1 VDC
Overvoltage category	III
Pollution degree	2
Number of relays	2
Connection type	With push in terminal
Strip length	8 mm (supply connection)
Special features	For signaling commands or different states of the circuit-breaker. Two relays per unit. The activation criteria can be configured in the trip unit. Configuration

		via communication or circuit breaker display or front USB port and Eaton Power Xpert Protection Manager. Only for use in combination with circuit-breakers with electronic trips. 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... Relay contacts for control wiring. Relays can be used for controlling remote operator with Us=208-204 V AC. Control wiring on push-in clamps. Cannot be used with the PXR10 NZM-AX electronic trip.
Terminal capacity (stranded cable)		0.25 mm <sup>2</sup> - 0.75 mm <sup>2</sup> (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1) 0.25 mm <sup>2</sup> - 1.5 mm <sup>2</sup> (1x) at supply connection (insulated ferrule according to DIN46224 / 4) 0.25 mm <sup>2</sup> - 1.5 mm <sup>2</sup> (1x) at supply connection 24 - 16 AWG (1x) at relay contacts
Terminal capacity (solid cable)		0.2 mm <sup>2</sup> - 1.5 mm <sup>2</sup> (1x) at supply connection
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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