

## Standard auxiliary contact, 2N/O+1N/C, screw connection

**Part no.**                    **+NHI21-PKZO**  
**073235**

<b>General specifications</b>	
Product name	Eaton Moeller® series PKZO Accessory Standard auxiliary contact
Part no.	+NHI21-PKZO
EAN	4015080732358
Product Length/Depth	70 millimetre
Product height	90 millimetre
Product width	15 millimetre
Product weight	0.039 kilogram
Certifications	UL File No.: E36332 IEC/EN 60947-4-1 CSA File No.: 165628 UL 508 CSA-C22.2 No. 14 CE CSA Class No.: 3211-05 UL UL Category Control No.: NLRV CSA
Product Tradename	PKZO
Product Type	Accessory
Product Sub Type	Standard auxiliary contact
Catalog Notes	Can be combined with AGM, NHI-E ... Cannot be used for motor starter combinations type MSC-R...
<b>Features &amp; Functions</b>	
Electric connection type	Screw connection
<b>General information</b>	
Lifespan, electrical	50,000 Operations
Model	Top mounting
Mounting method	Side mounting
Overvoltage category	III
Pollution degree	3
Product category	Accessories
Rated impulse withstand voltage (Uimp)	6000 V AC
Used with	Motor protective circuit-breaker
<b>Climatic environmental conditions</b>	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
<b>Terminal capacities</b>	
Terminal capacity (solid/flexible with ferrule)	0.75 - 1.5 mm <sup>2</sup>
Terminal capacity (solid/stranded AWG)	18 - 14, Screw terminals
<b>Electrical rating</b>	
Rated operational current (Ie)	1 A at AC-15, 440 V 500 V
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	3.5 A
Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V	2 A
Rated operational current (Ie) at DC-13, 110 V	0.5 A
Rated operational current (Ie) at DC-13, 220 V, 230 V	0.25 A
Rated operational current (Ie) at DC-13, 24 V	2 A
Rated operational current (Ie) at DC-13, 60 V	1 A
Rated operational voltage (Ue) at AC - max	500 V
Rated operational voltage (Ue) at DC - max	250 V
Safe isolation	440 V, Between auxiliary contacts and main contacts, According to EN 61140
Short-circuit protection rating without welding	10 A gG/gL, Fuse, Auxiliary contacts

<b>Switching capacity</b>		
Switching capacity (auxiliary contacts, general use)		5 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)		Q300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
<b>Communication</b>		
Connection type		Screw connection
<b>Contacts</b>		
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		1
Number of contacts (normally open contacts)		2
<b>Design verification</b>		
Equipment heat dissipation, current-dependent P <sub>vid</sub>		0 W
Heat dissipation capacity P <sub>diss</sub>		0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>		0.04 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )		3.5 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>		0 W
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 9.0

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@ss13-27-37-13-02 [AKN342018])		
Number of contacts as change-over contact		0
Number of contacts as normally open contact		2
Number of contacts as normally closed contact		1
Number of fault-signal switches		0
Rated operation current I <sub>e</sub> at AC-15, 230 V	A	3.5
Type of electric connection		Screw connection
Model		Clip-on
Mounting method		Side mounting
Lamp holder		None

