DATASHEET - NHI-E-01-PKZ0-C

Standard auxiliary contact, 1 N/C, flush mounting, spring clamp connection

Powering Business Worldwide™

Part no.	**NHI-E-01-PKZ0-C**
	229682
EL Number (Norway)	**4315179**

General specifications	
Product name	Eaton Moeller® series NHI Accessory Standard auxiliary contact
Part no.	NHI-E-01-PKZ0-C
EAN	4015082296827
Product Length/Depth	13 millimetre
Product height	35 millimetre
Product width	45 millimetre
Product weight	0.011 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 14 IEC 60947-4-1 UL 508 UL Category Control No.: NLRV CE UL UL File No.: E36332 CSA-C22.2 No. 14 CSA IEC/EN 60947-4-1 CSA Class No.: 3211-05 CSA File No.: 165628
Product Tradename	NHI
Product Type	Accessory
Product Sub Type	Standard auxiliary contact
Catalog Notes	This item can only be ordered until December 31, 2023 with a maximum delivery date of May 31, 2024.
Features & Functions	
Electric connection type	Spring clamp connection
General information	
Lifespan, electrical	100,000 Operations
Lifespan, mechanical	100,000 Operations
Model	Top mounting
Mounting method	Front fastening
Overvoltage category	III
Pollution degree	3
Product category	Accessories
Rated impulse withstand voltage (Uimp)	4000 V AC
Used with	PKZ0(4) standard auxiliary contacts and PKE Motor protective circuit-breaker
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Terminal capacities	
Terminal capacity (solid/flexible with ferrule)	0.75 - 2.5 mm^2
Terminal capacity (solid/stranded AWG)	18 - 16, Spring-loaded terminals
Electrical rating	
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	1 A
Rated operational current (Ie) at DC-13, 24 V	2 A
Rated operational voltage (Ue) at AC - max	440 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

Switching capacity			
Switching capacity (auxiliary contacts, general use)			0.5 A, 250 V DC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)			E150, AC operated (UL/CSA)
Communication			
Connection type			Spring-loaded terminals
Contacts			
Control circuit reliability			< 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (change-over contacts)			0
Number of contacts (normally closed contacts)			1
Number of contacts (normally open contacts)			0
Design verification			
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdiss			0 W
Heat dissipation per pole, current-dependent Pvid			0.01 W
Rated operational current for specified heat dissipation (In)			1 A
Static heat dissipation, non-current-dependent Pvs			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			0
Number of contacts as normally closed contact			1
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	1
Type of electric connection			Spring clamp connection
Model			Clip-on
Mounting method			Front fastening
Lamp holder			None