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



Part no. NHI-E-01-PKZ0-C

229682

**EL Number** 

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(Norway)	
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 <sup>2</sup>
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

Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Number of contacts (normally closed contacts)  Design verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation capacity Pdiss  Heat dissipation, capacity Pdiss  Rated operational current or specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  OUW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OUW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OUW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OUW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OUW  Rests the product standard's requirements.  OUS.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  OUS.3.2 Serification of tresistance of insulating materials to normal heat  IND.2.3 Resists, of insul mat. to abnormal heat/fire by internal elect. effects  Oues not apply, since the entries witchgear needs to be evaluated.  IND.2.4 Resistance to ultra-violet (IUV) radiation  IND.2 Meets the product standard's requirements.  Oues not apply, since the entries witchgear needs to be evaluated.  IND.3 Degree of protection of assemblies  Oues not apply, since the entries witchgear needs to be evaluated.  IND.4 Clearances and creepage distances  Meets the product standard's requirements.  Oues not apply, since the entries writchgear needs to be evaluated.  IND.4 Clearances and creepage distances  Oues not apply, since the entries writchgear needs to be evaluated.  IND.4 Clearances and creepage distances  Oues not apply, since the entries writchgear needs to be evaluated.  IND.4 Tentral electric shock  Oues not apply, since the entries writchgear needs to be evaluated.  IND.4 Tentral electric shock  Oues not app	Switching capacity	
Contacts  Contacts  Contacts  Control circuit reliability  Control circuit reliability  Number of contacts (change-over contacts)  Number of contacts (change-over contacts)  Number of contacts (change-over contacts)  Design verification  Equipment heat dissipation (apacity) plais  Equipment heat dissipation capacity plais  Design verification  Reta dissipation capacity plais  Number of contacts (apacity plais  Design verification  Reta dissipation capacity plais  DW  Heat dissipation capacity plais  DW  Reta dissipation capacity plais  DW  Reta dissipation (apacity plais  Reta dissipation (apacity plais  DW  Reta dissipation (apacity plais  DW  Reta dissipation (apacity plais  Reta dissipation (apacity plais  DW  Reta dissipation (apacity plais  Reta dissipation (apa	Switching capacity (auxiliary contacts, general use)	0.5 A, 250 V DC, (UL/CSA)
Connection type Contacts Control circuit reliability Control contacts (change-over contacts) Control contacts (change-over contacts) Control contacts (cornally closed contacts) Control contacts (cornally closed contacts) Control contacts (cornally closed contacts) Control contacts (cornally open contacts) Control contacts (change-over contacts) Con	Switching capacity (auxiliary contacts, pilot duty)	E150, AC operated (UL/CSA)
Control circuit reliability  Control circuit reliability  Number of contacts (change-over contacts)  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Design verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation capacity Pdids  Net dissipation per pole, current-dependent Pvid  Nation beat dissipation, non-current-dependent Pvid  Net the product standard's requirements.  Net the product standard's requirements.  Net the product standard's requirements.  Notes t	Communication	
Control circuit reliability  Number of contacts (change-over contacts)  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Number of contacts (normally open contacts)  Pesign verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Number of contacts (normally open contacts)  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Number of contacts (normally open contacts)  Heat dissipation per pole, current-dependent Pvid  Number of contacts (normally open contacts)  Heat dissipation per pole, current-dependent Pvid  Number of contacts (normally open contacts)  Number of cont	Connection type	Spring-loaded terminals
Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Posign verification  Equipment heat dissipation, current-dependent Pvid  Net dissipation paperly Pdis  Net dissipation per pole, current-dependent Pvid  Net dissipation of termal stability of enclosures  Net be product standard's requirements.  Net ste product standard's requirem	Contacts	
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Design verification  Equipment heat dissipation, current-dependent Pvid 0W Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (In) 1A Static heat dissipation, non-current-dependent Pvid 001 W Rated operational current for specified heat dissipation (In) 1A Static heat dissipation, non-current-dependent Pvis 0W 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3 I Verification of thermal stability of enclosures Meets the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Resistance to ultra-violet (UV) radiation 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. 10.2.7 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. 10.3.2 Power-fraquency electric strength Is the panel builder's responsibility. 10.3.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.3.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.3.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.3.5 Heave and builder's responsibility. 10.4 Testing of enclosures made of insulating material Is	Number of contacts (change-over contacts)	0
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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.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Festing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
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 responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Short-circuits and connections  10.15 the panel builder's responsibility.  10.16 the panel builder's responsibility.  10.17 Internal electrical circuits and connections  10.18 the panel builder's responsibility.  10.19 Is the panel builder is responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Electromagnetic provided the information in the instruction	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.18 Wechanical function  10.19 Temperature rise list the panel builder's responsibility. The specifications for the switchgear must observed.  10.19 The panel builder's responsibility. The specifications for the switchgear must observed.  10.10 Temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Electromagnetic metals builder's responsibility. The specifications for the switchgear must observed.  10.15 The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  Is the panel builder's responsibility.  Is the panel builder is responsibility.  The panel builder is responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  The panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength	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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	
observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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	· · · · · · · · · · · · · · · · · · ·

## **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 le at AC-15, 230 V		Α	1			
Type of electric connection			Spring clamp connection			
Model			Clip-on			
Mounting method			Front fastening			
Lamp holder			None			