DATASHEET - NHI12-PKZ0



Standard auxiliary contact NHI, 1 N/O, 2 N/C, Side mounting, Screw connection

Part no. NHI12-PKZ0

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General specifications	
Product name	Eaton Moeller® series NHI Accessory Standard auxiliary contact
Part no.	NHI12-PKZ0
EAN	4015080728955
Product Length/Depth	68 millimetre
Product height	90 millimetre
Product width	15 millimetre
Product weight	0.038 kilogram
Certifications	UL 508 CSA-C22.2 No. 14 UL IEC/EN 60947-4-1 CE CSA Class No.: 3211-05 UL File No.: E36332 UL Category Control No.: NLRV CSA File No.: 165628 CSA
Product Tradename	NHI
Product Type	Accessory
Product Sub Type	Standard auxiliary contact
Catalog Notes	Can be retrofitted on the right side of motor-protective circuit-breakers
Features & Functions	
Features	Interlocked opposing contacts
General information	
Electric connection type	Screw connection
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
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 - 1.5 mm ²
Terminal capacity (solid/stranded AWG)	18 - 14, Screw terminals
Electrical rating	
Rated operational current (le)	1 A at AC-15, 440 V 500 V
Rated operational current (le) at AC-15, 220 V, 230 V, 240 V	3.5 A
Rated operational current (le) at AC-15, 380 V, 400 V, 415 V	2 A
Rated operational current (le) at DC-13, 110 V	0.5 A
Rated operational current (le) at DC-13, 220 V, 230 V	0.25 A
Rated operational current (le) at DC-13, 24 V	2 A
Rated operational current (le) at DC-13, 60 V	1 A
Rated operational voltage (Ue) at AC - max	500 V
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Switching capacity Switching capacity (auxiliary contacts, general use) SA 600 A C, (UUCSA) 1 A, 250 V DC, (UUCSA) Switching capacity (auxiliary contacts, general use) SA 600 A C operated (UUCSA) A 600 A C operated (UUCSA) A 600 A C operated (UUCSA) Contacts Control circuit reliability Contacts Control circuit reliability Number of contacts (change-over contacts) Number of contacts (change-over contacts) Number of contacts (change-over contacts) Number of contacts (normally closed contacts) 2 Contacts Design verification Exponent hast dissipation, current dependent Pvid Heat dissipation capacity Pdiss Number of contacts (normally closed contacts) Number of contacts (normally closed contacts) 1 Design verification Exponent hast dissipation, current dependent Pvid Heat dissipation or post, current dependent Pvid A 600 A 0 W Rated operational current for specified heat dissipation (In) Static heat dissipation, uncerument dependent Pvid 10.22 Corrosion resistance Mets the product standard's requirements. 10.22.31 Verification of thermal stability of enclosures 10.22.32 Verification of resistance of insulating materials to normal heat 10.22.32 Verification of resistance of insulating materials to normal heat 10.22.32 Verification of resistance of insulating materials to normal heat 10.22.32 Verification of resistance of insulating materials to normal heat 10.22 Surfice on resistance of insulating materials to normal heat 10.23 Resists of insul, mat to abnormal heat/fire by internal elect effects Mets the product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation 10.25 Internal impact 10.26 Protection against service pace in eads to be evaluated. 10.27 Incertial impact 10.28 Degree of protection of assemblies 10.39 Degree of protection of assemblies 10.40 Incerporation of switching devices and components 10.40 Incerporation of switching devices and components 10.40 Incerporation of switching devices and components 10.40 Incerporation of switching de		
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10.7 Internal electrical circuits and connections 1s the panel builder's responsibility. 10.8 Connections for external conductors 1s the panel builder's responsibility. 10.9.2 Power-frequency electric strength 1s the panel builder's responsibility. 1o.9.3 Impulse withstand voltage 1s the panel builder's responsibility. 1o.9.4 Testing of enclosures made of insulating material 1s the panel builder's responsibility. 1o.10 Temperature rise 1o.11 Short-circuit rating 1o.12 Electromagnetic compatibility 1o.13 Mechanical function 1o.14 Mechanical function 1o.15 Mechanical function 1o.16 Let requirements, 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 10.13 Mechanical function Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility in 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	10.6 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 10.13 Mechanical function 10.14 Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.15 The panel builder's responsibility. The specifications for the switchgear must observed. 10.15 Electromagnetic compatibility. The specifications for the switchgear must observed. 10.16 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 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.15 Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.15 Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.16 Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.17 Is the panel builder is responsibility. The specifications for the switchgear must observed. 10.18 Is the panel builder is responsibility. The specifications for the switchgear must observed.	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 1s the panel builder's responsibility. The specifications for the switchgear must observed. 1o.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must observed. 1o.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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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)
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Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ect@ss13-27-37-13-02 [AKN342018])

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