DATASHEET - NHI11-PKZ0-PI

Standard auxiliary contact, 1 N/O, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Push in terminals

Part no.	**NHI11-PKZ0-PI**
Catalog No.	**199328**
Alternate Catalog No.	**XTPAXSAPI11**

Delivery program

Product range			Accessories
Accessories			Standard auxiliary contact
			Can be retrofitted on the right side of motor-protective circuit-breakers
Contacts			
N/O = Normally open			1 N/O
N/C = Normally closed			1 NC
Contact diagram			
Contact sequence			
Connection technique			Push in terminals
For use with			PKZ0(4) standard auxiliary contacts
For use with			PKZM01 PKZM0 PKZM4 PKZM0-T PKM0 PKE

Notes Can be fitted to the right of:
Motor protective circuit-breaker
Transformer-protective circuit-breaker
Motor protective circuit breaker for starter combinations
Cannot be used for motor starter combinations type MSC-R...
can be combined with AGM, NHI-E ...

Technical data

Auxiliary contacts

Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U_e	V	
	U_e	V AC	500
	U_e	V DC	250
Safe isolation to EN 61140			
Between auxiliary contacts and main contacts		V AC	690
Rated operational current	I_e	A	
AC-15			
220 - 240 V	I_e	A	3.5
380 - 415 V	I_e	A	2
440 V 500 V	I_e	A	1
DC-13 L/R - 100 ms			
24 V	I_e	A	2
60 V	I_e	A	1
110 V	I_e	A	0.5
220 V	I_e	A	0.25
Lifespan		S	
Lifespan, mechanical	Operations	x 10^6	> 0.1
Lifespan, electrical	Operations	x 10^6	0.05
Control circuit reliability	Failure rate	λ	$<10^{-8}$, < one failure at 100 million operations (at U_e = 24 V DC, U_{min} = 17 V, I_{min} = 5.4 mA)
interlocked opposing contacts			yes

Short-circuit rating without welding		
Fuseless	Type	FAZ-B4/1-HI
Fuse	A gG/gL	10

Terminal capacities

Push-in terminals		
Solid	mm^2	1 x (0,5 - 2,5) 2 x (0,5 - 2,5)
flexible	mm^2	1 x (0,5 - 2,5) 2 x (0,5 - 2,5)
flexible with ferrules	mm^2	1 x (0,5 - 1,5) 2 x (0,5 - 1,5)
Solid or stranded	AWG	20 - 14
Stripping length	mm	10
Standard screwdriver		3.0 x 0.5

Rating data for approved types

Pilot Duty		
AC operated		A600
DC operated		Q300
General Use		
AC	V	600
AC	A	5
DC	V	250
DC	A	1

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	55

Technical data ETIM 7.0

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@ss10.0.1-27-37-13-02 [AKN342013])

Number of contacts as change-over contact		0
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		1
Number of fault-signal switches		0
Rated operation current Ie at AC-15, 230 V	A	3.5
Type of electric connection		Spring clamp connection
Model		Top mounting
Mounting method		Side mounting
Lamp holder		None

Approvals

Product Standards		UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.		E36332
UL Category Control No.		NLRV
CSA File No.		165628
CSA Class No.		3211-05
North America Certification		UL listed, CSA certified
Specially designed for North America		No

Dimensions

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf

Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf

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