

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
<p>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 ...</p>		

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	$\times 10^6$	> 0.5
Lifespan, electrical	Operations	$\times 10^6$	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 8.0

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 (ecI@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 I _e 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

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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

