



AUXILIARY SWITCH NHI-PKZ0

Part no. NHI21-PKZ0



Article no. 072894

For motor-protective circuit-breakers

Delivery programme

Product range		Accessories
Accessories		Standard auxiliary contact
For use with		PKZ0(4) standard auxiliary contacts
Contacts		
N/O = Normally open		2 N/O
N/C = Normally closed		1 N/C
Contact diagram		
Contact sequence		
Connection technique		Screw terminals
For use with		PKZM01 PKZM0 PKZM4 PKZM0-T PKM0 PKE
Notes Can be fitted to the right of motor-protective circuit-breakers, transformer-protective circuit-breakers, motor-protective circuit-breakers for starter combinations. Can be combined with: AGM, NHI-E-... trip-indicating auxiliary contact		

Approvals

Product Standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL listed, CSA certified
Specially designed for NA	No

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 VDE 0106 Part 101 and Part 101/A1			

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	1.5
110 V	I _e	A	1
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			ja
Short-circuit rating without welding			
Fuseless		Type	FAZ-B4/1-HI
Fuse		A gG/ gL	10

Terminal capacities

Solid or flexible conductor with ferrule		mm ²	0.75 - 2.5
Solid or stranded		AWG	18 - 14

Technical data ETIM 4.0

Suitable for earth leakage circuit breaker			No
Type of electric connection			Screw connection
Rated operation current I _e at AC-15, 230 V		A	3.5
Mounting type			Side mounting
Suitable for pendant switch			No
Suitable for front element			No
Suitable for circuit-breakers			No
Suitable for safety position switches			No
Suitable for step switches			No
Suitable for pressure switch/selector switch actuator			No
Suitable for cam switches			No
Suitable for motor protective circuit breakers			YES
Suitable for series-mounting relays			No
Suitable for solenoid			No
Suitable for compact switch-disconnector			No
Suitable for miniature circuit-breakers			No
Suitable for pulse relay			No
Suitable for contactor relay relay			No
Suitable for pendant pushbutton			No
Suitable for residual current device			No
Number of contacts as change-over contact			0
Number of contacts as N/O			2
Number of contacts as NC			1
Suitable for impulse relays			No
Suitable for position switches			No
Suitable for switch-disconnector/residual current device			No
Suitable for contactors			No

Suitable for installation contactor / installation relay		No
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Additional product information (links)

IL03402034Z (AWA1210-1945) Motor-protective circuit-breaker, Starter	
IL03402034Z (AWA1210-1945) Motor-protective circuit-breaker, Starter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402034Z2010_10.pdf
IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker	
IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2010_08.pdf
Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf