



AUXILIARY SWITCH NHI-PKZO



Powering Business Worldwide™

Part no. NHI-E-10-PKZO

Article no. 082884

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		1 N/O
Contact diagram		
Contact sequence		
Connection technique		Screw terminals
For use with		PKZM01 PKZM0 PKZM4 PKZM0-T PKM0 PKE
Notes		
Can be retrofitted to motor-protective circuit-breakers, transformer-protective circuit-breakers, motor-protective circuit-breakers for starter combinations from serial number 01.		
45 mm (PKZM0 and PKZM01) or 55 mm (PKZM4) widths of the motor-protective circuit-breakers remain unchanged.		
NHI-E...-PKZO-C not usable for MSC...-type motor starter combinations.		

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	4000
Overtoltage category/pollution degree			III/3
Rated operational voltage	U_e	V	440
		V AC	
		V DC	
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	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
Lifespan		S	
Lifespan, mechanical	Operations	$\times 10^6$	> 0.1
Lifespan, electrical	Operations	$\times 10^6$	0.1
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)
Short-circuit rating without welding			
Fuse		A gG/ gL	10

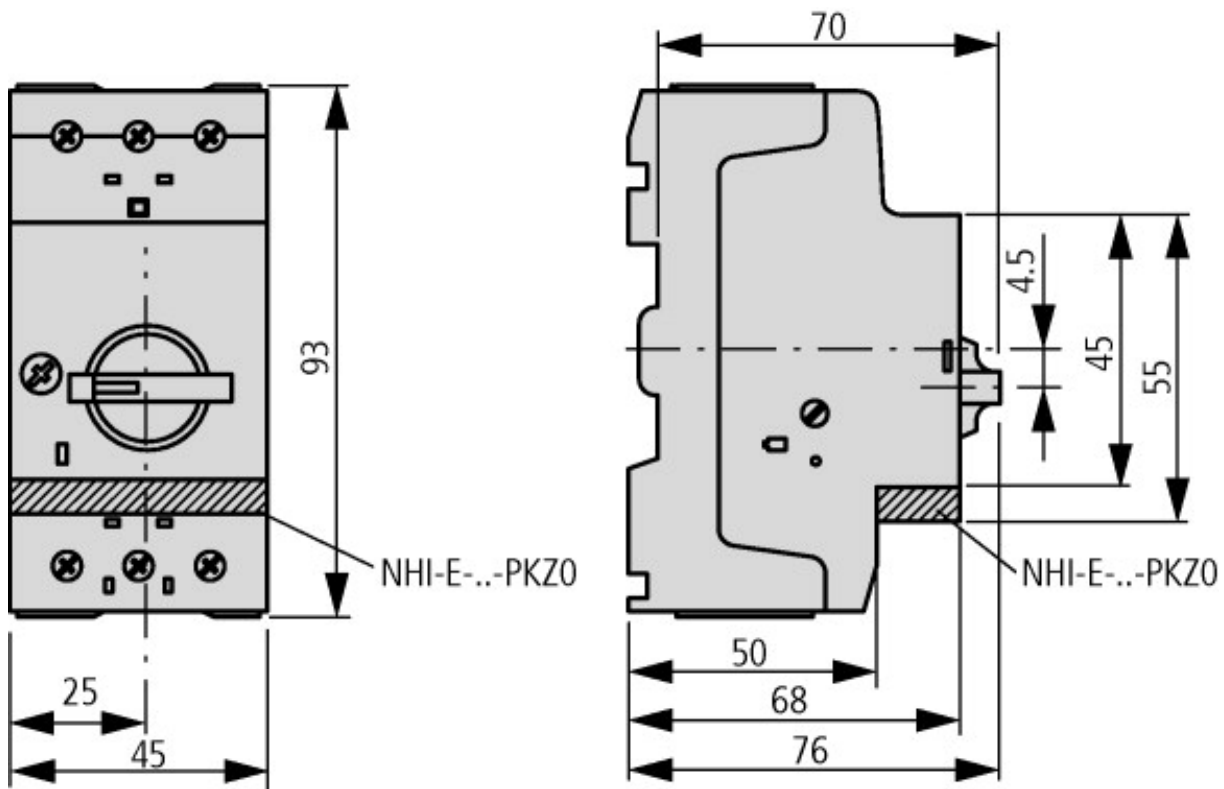
Terminal capacities

Solid or flexible conductor with ferrule		mm ²	0.75 - 1.5
Solid or stranded		AWG	18 - 16

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	1
Mounting type			Front mount
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			1
Number of contacts as NC			0
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

Dimensions



PKZM0-...(+NHI-E-...-PKZO)
 PKZM0-...-T(+NHI-E-...-PKZO)
 PKM0-...(+NHI-E-...-PKZO)

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

IL03801004Z (AWA1210-1501) Integrated auxiliary contact

IL03801004Z (AWA1210-1501)
 Integrated auxiliary contact

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801004Z2010_07.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