

## AUXILIARY SWITCH NHI-PKZ0



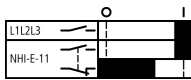
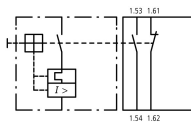
Powering Business Worldwide™

**Part no.**  
**Article no.**

**NHI-E-11-PKZ0**  
**082882**

For motor-protective circuit-breakers

### Program

Contacts			
N/O = Normally open			1 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
<b>Notes</b>			
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...-PKZ0-C not usable for MSC...-type motor starter combinations.			

### Approbationen

UL approval	Yes
CSA approval	Yes
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	
	$U_e$	V AC	440
	$U_e$	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	1
DC-13 L/R - 100 ms			
24 V	$I_e$	A	2
Lifespan		S	
Lifespan, mechanical	Operations	x $10^6$	> 0.1
Lifespan, electrical	Operations	x $10^6$	0.1

Control circuit reliability (at $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA)	Failure rate	$\lambda$	$< 10^{-8} < 1$ failure at $1 \times 10^8$ operations
Short-circuit rating without welding			
Fuse		A gG/ gL	10

### Terminal capacities

Solid or flexible conductor with ferrule		mm <sup>2</sup>	0.75 - 1.5
Solid or stranded		AWG	18 - 16

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### Technical data according to 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

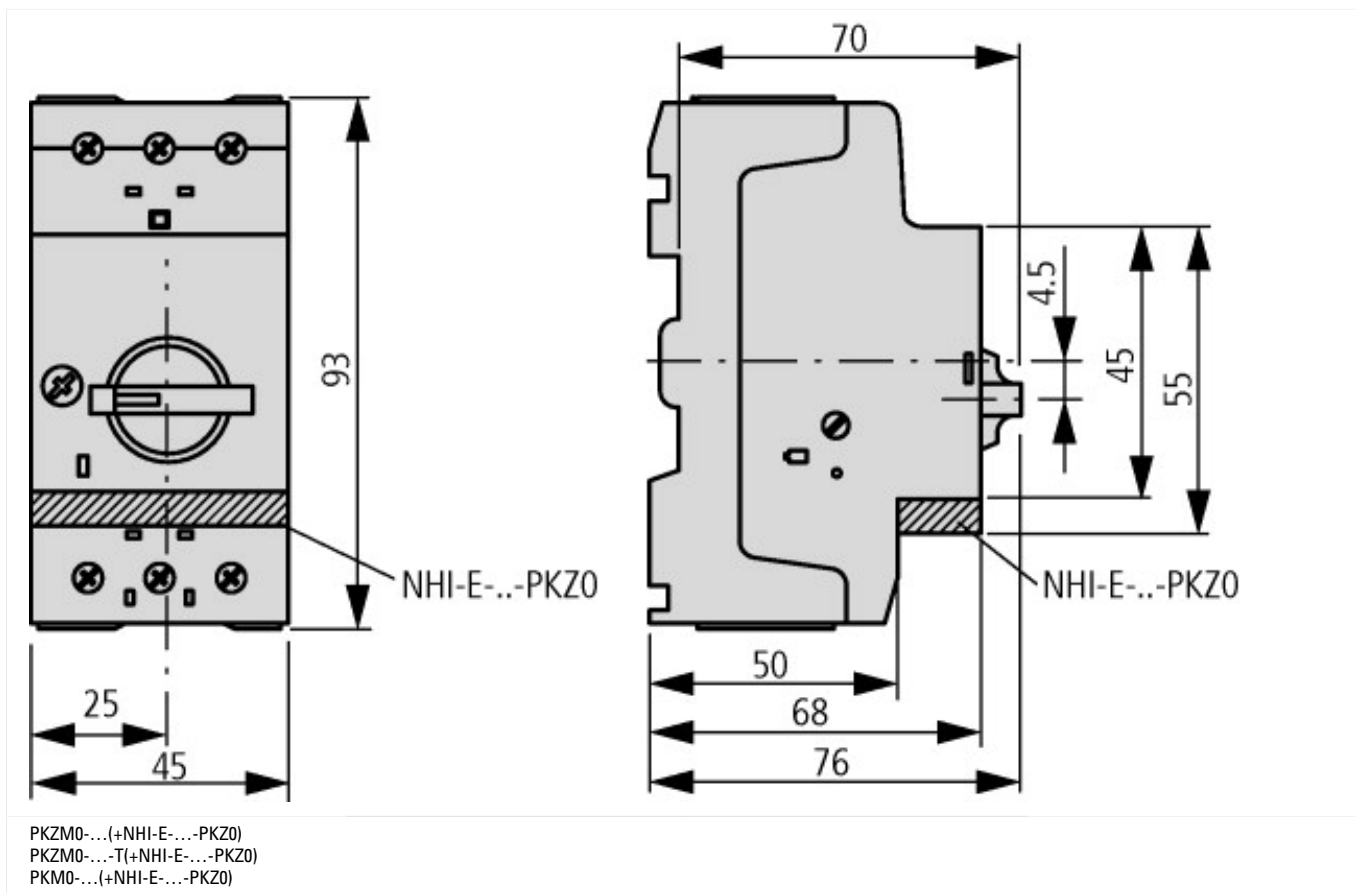
Suitable for pendant pushbutton		No
Suitable for residual current device		No
Number of contacts as change-over contact		0
Number of contacts as N/O		1
Number of contacts as NC		1
Suitable for impulse relays		No
Suitable for position switches		No
Suitable for switch-disconnector/residual current device		No
Suitable for contactors		No
Suitable for installation contactor / installation relay		No

## CAD-Data

Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

## Dimensions



## Additional product information (links)

IL03402034Z (IL03402034Z) Motor-protective circuit-breaker, Starter	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402034Z2010_10.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402034Z2010_10.pdf</a>
IL03801004Z (IL03801004Z) Integrated auxiliary contact	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801004Z2010_07.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801004Z2010_07.pdf</a>
Motor starters and "Special Purpose Ratings" for the North American market	<a href="http://www.moeller.net/binary/ver_techpapers/ver953en.pdf">http://www.moeller.net/binary/ver_techpapers/ver953en.pdf</a>
Busbar Component Adapters for modern Industrial control panels	<a href="http://www.moeller.net/binary/ver_techpapers/ver960en.pdf">http://www.moeller.net/binary/ver_techpapers/ver960en.pdf</a>