



## AUXILIARY SWITCH NHI-PKZO



Powering Business Worldwide™

**Part no.** NHI11-PKZO

**Article no.** 072896

For motor-protective circuit-breakers

### Delivery programme

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 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			

### 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	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 - 500 V	I <sub>e</sub>	A	1
DC-13 L/R - 100 ms			
24 V	I <sub>e</sub>	A	2
60 V	I <sub>e</sub>	A	1.5
110 V	I <sub>e</sub>	A	1
220 V	I <sub>e</sub>	A	0.25
Lifespan		S	
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Lifespan, electrical	Operations	x 10 <sup>6</sup>	0.05
Control circuit reliability (at U <sub>e</sub> = 24 V DC, U <sub>min</sub> = 17 V, I <sub>min</sub> = 5.4 mA)	Failure rate	λ	< 10 <sup>-8</sup> < 1 failure at 1 x 10 <sup>8</sup> operations
Interlocked opposing contacts to ZH 1/457			Yes
Short-circuit rating without welding			
deltaEK			FAZ-B4/1-HI
Fuse		A gG/ gL	10

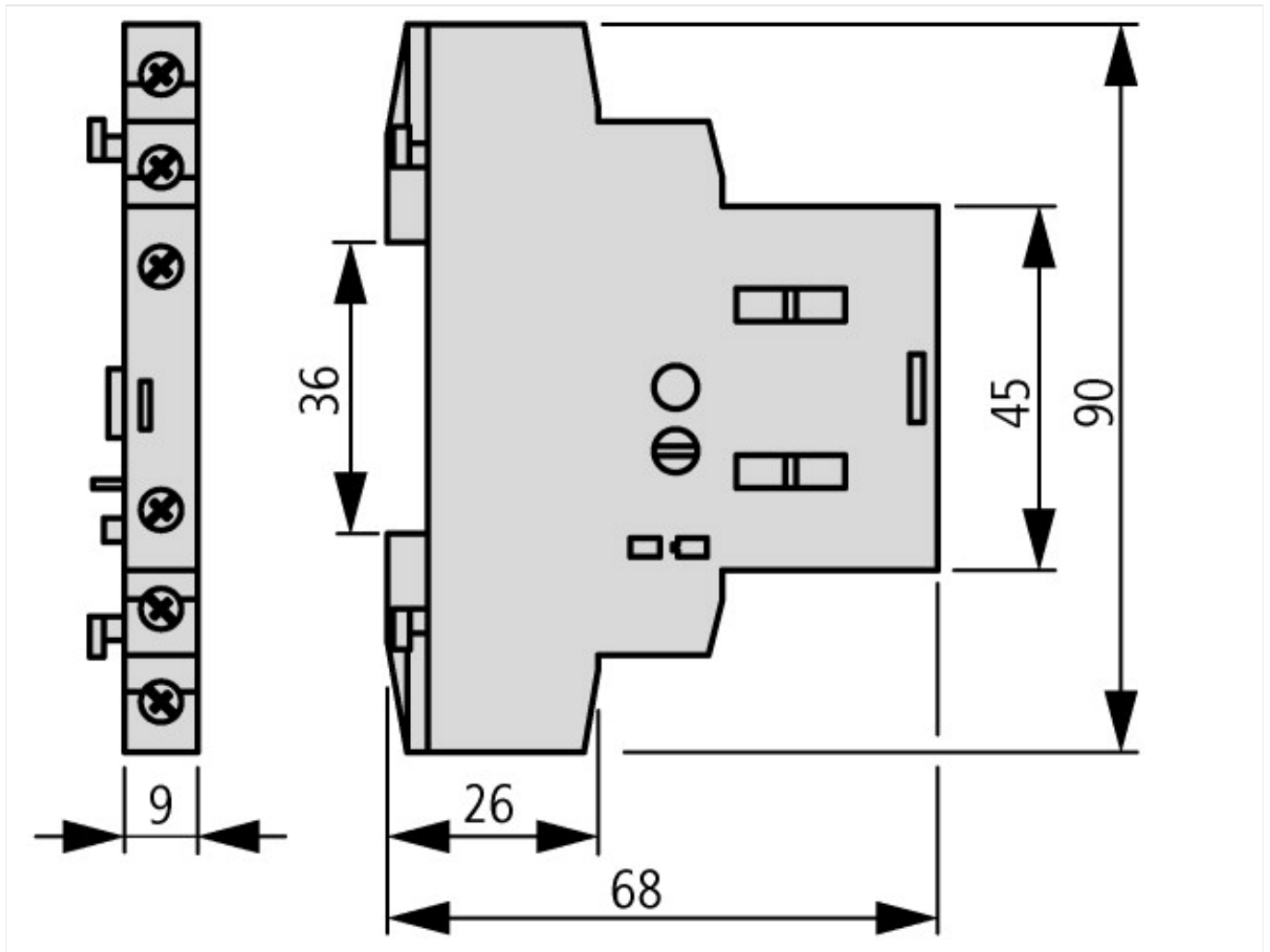
### Terminal capacities

Solid or flexible conductor with ferrule		mm <sup>2</sup>	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 <sub>e</sub> 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			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

### Dimensions



#### Additional product information (links)

<b>IL03402034Z (AWA1210-1945) Motor-protective circuit-breaker, Starter</b>	
IL03402034Z (AWA1210-1945) 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>
<b>IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker</b>	
IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2010_08.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2010_08.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>