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Powering Business Worldwide

NH11-PKZ0 - Standard auxiliary contact, 1 NO, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Screw terminals



072896 NH11-PKZ0

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## 072896 NH11-PKZ0

Standard auxiliary contact, 1 NO, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Screw terminals

Alternate Catalog No.

XTPAXSA11

EL-Nummer (Norway)

4355131

Standard auxiliary contact, Contacts NO = Normally open: 1 NO, Contacts NC = Normally closed: 1 NC, For use with: PKZM1, PKZM0, PKZM4, PKZM0-T, PKM0, PKE

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- [Technical data](#)
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### Delivery program

Product range

Accessories

Accessories

Standard auxiliary contact

Can be retrofitted on the right side of motor-protective circuit-breakers

Contacts

NO = Normally open

1 NO

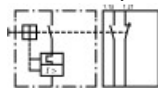
NC = Normally closed

1 NC

Contact diagram



Contact sequence



Connection technique

Screw terminals

For use with

PKZ0(4) standard auxiliary contacts

For use with

PKZM1

FKZMD  
FKZM4  
FKZMD-T  
FKMD  
FKE

#### 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, NH-E...

## Technical data

Auxiliary contacts

Rated impulse withstand voltage [ $U_{imp}$ ]

6000 V AC

Overvoltage category/pollution degree

III/3

Rated operational voltage [ $U_e$ ] [ $U_e$ ]

500 V AC

Rated operational voltage [ $U_e$ ] [ $U_e$ ]

250 V DC

Safe isolation to EN 61140 Between auxiliary contacts and main contacts

690 V AC

Rated operational current [ $I_e$ ] AC-15220 - 240 V [ $I_e$ ]

3.5 A

Rated operational current [ $I_e$ ] AC-15380 - 415 V [ $I_e$ ]

2 A

Rated operational current [ $I_e$ ] AC-15440 V 500 V [ $I_e$ ]

1 A

Rated operational current [ $I_e$ ] DC-13 L/R - 100 ms 24 V [ $I_e$ ]

2 A

Rated operational current [ $I_e$ ] DC-13 L/R - 100 ms 60 V [ $I_e$ ]

1 A

Rated operational current [ $I_e$ ] DC-13 L/R - 100 ms 110 V [ $I_e$ ]

0.5 A

Rated operational current [ $I_e$ ] DC-13 L/R - 100 ms 220 V [ $I_e$ ]

0.25 A

Lifespan Lifespan, mechanical [Operations]

$> 0.1 \times 10^6$

Lifespan Lifespan, electrical [Operations]

$0.05 \times 10^6$

Control circuit reliability [Failure rate]

$< 10^{-8}$ , < one failure at 100 million operations

(at  $U_e = 24$  V DC,  $U_{min} = 17$  V,  $I_{min} = 5.4$  mA)  $\lambda$

interlocked opposing contacts

yes

Short-circuit rating without welding Fuseless

FAZ-B4/1-HI Type

Short-circuit rating without welding Fuse

10 A gG/gL

Terminal capacities

Solid or flexible conductor, with ferrule

0,75 - 2,5 mm<sup>2</sup>

Solid or stranded

18 - 14 AWG

Rating data for approved types

Flot Duty AC operated

A600

Flot Duty DC operated

Q300

General Use AC

600 V

General Use AC

5 A

General Use DC

250 V

## Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [ $I_r$ ]

3.5 A

Heat dissipation per pole, current-dependent [ $P_{id}$ ]

0.04 W

Equipment heat dissipation, current-dependent [ $P_{id}$ ]

0 W

Static heat dissipation, non-current-dependent [ $P_s$ ]

0 W

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of ASSEMBLIES

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-



- [DA-CE-ETN.NH11-PKZ0](#)  
File  
(Web)

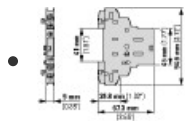
## Step files

- [DA-CS-nhi\\_pkz0](#)  
File  
(Web)

## Additional product information

- [Motor starters and "Special Purpose Ratings" for the North American market](#)  
(PDF)
- [Busbar Component Adapters for modern Industrial control panels](#)  
(PDF)

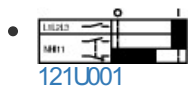
## Dimensions single product



[121X006](#)

Line drawing  
Standard auxiliary contact

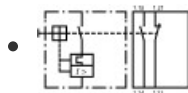
## Characteristic curve



[121U001](#)

Coordinate visualization  
Standard auxiliary contact

## Wiring diagram



[121S009](#)

Line drawing  
Standard auxiliary contact


## Product photo

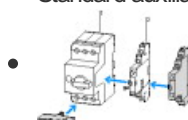


[1210PIC-341](#)

Photo  
Standard auxiliary contact

## 3D drawing

-  [121I005](#)  
Line drawing  
Standard auxiliary contact



[121O003](#)

Line drawing  
Standard auxiliary contact

# Instruction Leaflet

- [PKZ Motor-protective circuit-breaker, Starter \(IL03402034Z\)](#)  
Asset  
former AWA121-1945  
(PDF, 06/2018, multilingual)
- [PKZM0 Motor-protective circuit-breaker \(IL03407011Z\)](#)  
Asset  
former AWA1210-1925  
(Web, 04/2018, multilingual)
- [Standard auxiliary contact for PKZ0 \(IL03801004Z\)](#)  
Asset  
former AWA1210-1501  
(PDF, 12/2018, multilingual)

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