

Eaton 072896

Catalog Number: 072896

Eaton Moeller® series NHI Standard auxiliary contact, 1 N/O, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Screw terminals



General specifications

Product Name

Eaton Moeller® series NHI Accessory
Standard auxiliary contact

Catalog Number

072896

Model Code

NHI11-PKZ0

EAN

4015080728962

Product Length/Depth

68 mm

Product Height

90 mm

Product Width

15 mm

Product Weight

0.033 kg

Certifications

CE
UL 508
CSA File No.: 165628
UL
UL File No.: E36332
IEC/EN 60947-4-1
CSA-C22.2 No. 14
UL Category Control No.: NLRV
CSA
CSA Class No.: 3211-05

Catalog Notes

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

Features & Functions

Electric connection type

Screw connection

Features

Interlocked opposing contacts

General

Lifespan, electrical

50,000 Operations

Model

Top mounting

Mounting method

Side mounting

Overvoltage category

III

Pollution degree

3

Product category

Accessories

Rated impulse withstand voltage (Uimp)

6000 V AC

Used with

Motor protective circuit-breaker

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Terminal capacities

Terminal capacity (solid/flexible with ferrule)

0.75 - 1.5 mm²

Terminal capacity (solid/stranded AWG)

18 - 14, Screw terminals

Electrical rating

Rated operational current (Ie)

1 A at AC-15, 440 V 500 V

Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V

3.5 A

Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V

2 A

Rated operational current (Ie) at DC-13, 110 V

0.5 A

Rated operational current (Ie) at DC-13, 220 V, 230 V

0.25 A

Communication

Connection type

Screw connection

Contacts

Control circuit reliability

< 2 λ, < 1 failure at 100,000,000 Operations (at U_e = 24 V DC, U_{min} = 17 V, I_{min} = 5.4 mA)

Number of contacts (change-over contacts)

0

Rated operational current (Ie) at DC-13, 24 V

2 A

Rated operational current (Ie) at DC-13, 60 V

1 A

Rated operational voltage (Ue) at AC - max

500 V

Rated operational voltage (Ue) at DC - max

250 V

Safe isolation

440 V, Between auxiliary contacts and main contacts, According to EN 61140

Short-circuit protection rating without welding

10 A gG/gL, Fuse, Auxiliary contacts

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

1

Design verification

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0.04 W

Rated operational current for specified heat dissipation (I_n)

3.5 A

Static heat dissipation, non-current-dependent P_{vs}

0 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

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

10.2.6 Mechanical impact

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

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.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

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.

Resources

Brochures

[Motor Starters in System xStart - brochure](#)

[Save time and space thanks to the new link module PKZM0-XDM32ME](#)

Catalogues

[Switching and protecting motors - catalog](#)

[Product Range Catalog Switching and protecting motors](#)

Characteristic curve

[eaton-motorstarters-auxiliary-contact-nhi-accessory-characteristic-curve-003.eps](#)

Drawings

[eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-dimensions-002.eps](#)

[eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing-005.eps](#)

[eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing-003.eps](#)

eCAD model

[DA-CE-ETN.NHI11-PKZ0](#)

Installation instructions

[IL03402034Z](#)

[IL03801004Z](#)

[IL03407011Z](#)

Installation videos

[WIN-WIN with push-in technology](#)

mCAD model

[DA-CD-nhi_pkz0](#)

[DA-CS-nhi_pkz0](#)

Wiring diagrams

[eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-wiring-diagram-002.eps](#)



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30 Pembroke Road
Dublin 4, Ireland
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