Specifications

Eaton 107040



Catalog Number: 107040

Eaton Moeller® series NHI Standard auxiliary contact, 1N/O, flush mounting, SmartWire-DT

General specifications

Product Name
Eaton Moeller® series NHI Accessory Standard auxiliary contact

Catalog Number
107040

EAN
4015081068081

Product Length/Depth
12 mm

Product Height
35 mm

Product Width
45 mm

Product Weight
0.019 kg

Certifications
CE

Powering Business Worldwide

Features & Functions

Electric connection type

Screw connection

General

Lifespan, electrical

100,000 Operations

Lifespan, mechanical

100,000 Operations

Model

Top mounting

Mounting method

Front fastening

Overvoltage category

III

Pollution degree

3

Product category

Accessories

Rated impulse withstand voltage (Uimp)

4000 V AC

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 - 16, Screw terminals

Electrical rating

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

1 A

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

2 A

Rated operational voltage (Ue) at AC - max

440 V

Rated operational voltage (Ue) at DC - max

250 V

Safe isolation

440 V, Between auxiliary contacts and main contacts, According

Contacts

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

0

Number of contacts (normally open contacts)

1

Design verification

Equipment heat dissipation, current-dependent Pvid

to EN 61140

Short-circuit protection rating without welding

10 A gG/gL, Fuse, Auxiliary contacts

0.013 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0.013 W

Rated operational current for specified heat dissipation (In)

1 A

Static heat dissipation, non-current-dependent Pvs

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

eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf

Catalogs

Switching and protecting motors - catalog

Product Range Catalog Switching and protecting motors

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Characteristic curve

eaton-motorstarters-auxiliary-contact-nhi-accessory-characteristic-curve-007.eps

Declarations of conformity

DA-DC-00004891.pdf

DA-DC-00004887.pdf

DA-DC-00004878.pdf

DA-DC-00004969.pdf

DA-DC-00004206.pdf

DA-DC-00004884.pdf

DA-DC-00004069.pdf

DA-DC-00005031.pdf

DA-DC-00004915.pdf

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DA-DC-00004888.pdf

DA-DC-00004910.pdf

DA-DC-00003914.pdf

DA-DC-00004953.pdf

DA-DC-00004950.pdf

DA-DC-00004996.pdf

Drawings

eaton-manual-motor-starters-dimensions.eps

eaton-manual-motor-starters-pkz-dimensions-003.eps

eaton-manual-motor-starters-3d-drawing-003.eps

eCAD model

ETN.107040.edz

Installation videos

WIN-WIN with push-in technology

mCAD model

DA-CD-nhi_e_10l_pkz0

DA-CS-nhi_e_10l_pkz0

Sales notes

eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf

Wiring diagrams

eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-wiring-diagram-004.eps



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