

Specifications

Eaton 229682

Eaton Moeller® series NHI Standard auxiliary contact, 1 N/C, flush mounting, spring clamp connection



General specifications

PRODUCT NAME	Eaton Moeller® series NHI Accessory Standard auxiliary contact
CATALOG NUMBER	229682
MODEL CODE	NHI-E-01-PKZ0-C
EAN	4015082296827
PRODUCT LENGTH/DEPTH	13 mm
PRODUCT HEIGHT	35 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.011 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 CSA Std. C22.2 No. 14 IEC 60947-4-1 CSA Class No.: 3211-05 CSA File No.: 165628 UL Category Control No.: NLRV CE CSA CSA-C22.2 No. 14 IEC/EN 60947-4-1 UL UL File No.: E36332
CATALOG NOTES	This item can only be ordered until December 31, 2023 with a maximum delivery date of May 31, 2024.

General

CONNECTION TYPE	Spring-loaded terminals
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
USED WITH	PKZ0(4) standard auxiliary contacts and PKE Motor protective circuit-breaker

Terminal capacities

TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 2.5 mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 16, Spring-loaded terminals

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT OPERATING TEMPERATURE - MAX	55 °C
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Electrical rating

RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2 A
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	440 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
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SAFE ISOLATION	440 V, Between auxiliary contacts and main contacts, According to EN 61140
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SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, Fuse, Auxiliary contacts
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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

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) 1

NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) 0

Design verification

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID 0 W

HEAT DISSIPATION CAPACITY PDISS 0 W

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID 0.01 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
CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf Product Range Catalog Switching and protecting motors
CHARACTERISTIC CURVE	eaton-manual-motor-starters-contact-nhi-accessory-characteristic-curve.eps
DRAWINGS	eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-dimensions.eps eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing-005.eps eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing.eps
ECAD MODEL	ETN.229682.edz
INSTALLATION INSTRUCTIONS	eaton-front-mounted-auxiliary-contact-nhi-il03801004z.pdf IL03402034Z
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-nhi_e_c DA-CD-nhi_e_c
SALES NOTES	eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf
WIRING DIAGRAMS	eaton-manual-motor-starters-contact-nhi-accessory-wiring-diagram-003.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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