Specifications

Eaton 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
MODEL CODE	NHI-E-10L-PKZ0
EAN	4015081068081
PRODUCT LENGTH/DEPTH	12 mm
PRODUCT HEIGHT	35 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.019 kg
CERTIFICATIONS	CE

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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 mm^2
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 to EN 61140
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, Fuse, Auxiliary contacts

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	0.013 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.013 W
RATED OPERATIONAL CURRENT FOR SPECIFIED	1 A

HEAT DISSIPATION (IN)	
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	Is the panel builder's

WITHSTAND VOLTAGE	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-motorstarters-auxiliary-contact-nhi-accessory-characteristic-curve-007.eps
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251154en.pdf eaton-accessory-declaration-of-conformity-eu250671en.pdf
DRAWINGS	eaton-manual-motor-starters-pkz-dimensions-003.eps eaton-manual-motor-starters-dimensions.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

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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