

# Specifications



## Eaton 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

<b>PRODUCT NAME</b>	Eaton Moeller® series NHI Accessory Standard auxiliary contact
<b>CATALOG NUMBER</b>	072896
<b>MODEL CODE</b>	NHI11-PKZ0
<b>EAN</b>	4015080728962
<b>PRODUCT LENGTH/DEPTH</b>	68 mm
<b>PRODUCT HEIGHT</b>	90 mm
<b>PRODUCT WIDTH</b>	15 mm
<b>PRODUCT WEIGHT</b>	0.033 kg
<b>CERTIFICATIONS</b>	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
<b>CATALOG NOTES</b>	Can be retrofitted on the right side of motor- protective circuit-breakers
<b>GLOBAL CATALOG</b>	072896

## Product specifications

<b>USED WITH</b>	Motor protective circuit-breaker
<b>FEATURES</b>	Interlocked opposing contacts
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product

## Resources

<b>BROCHURES</b>	<a href="#">eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf</a>
<b>CATALOGS</b>	<a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a> <a href="#">Product Range Catalog Switching and protecting motors</a>
<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-motorstarters-auxiliary-contact-nhi-accessory-characteristic-curve-003.eps</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">DA-DC-00005072.pdf</a> <a href="#">eaton-accessory-declaration-of-conformity-eu250671en.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-dimensions-002.eps</a> <a href="#">eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing-005.eps</a> <a href="#">eaton-manual-motor-starters-auxiliary-contact-nhi-accessory-3d-drawing-003.eps</a>
<b>ECAD MODEL</b>	<a href="#">ETN.072896.edz</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-front-mounted-auxiliary-contact-nhi-il03801004z.pdf</a> <a href="#">IL03407011Z.pdf</a> <a href="#">IL03402034Z</a>
<b>INSTALLATION VIDEOS</b>	<a href="#">WIN-WIN with push-in technology</a>
<b>MCAD MODEL</b>	<a href="#">DA-CS-nhi_pkz0</a> <a href="#">DA-CD-nhi_pkz0</a>
<b>SALES NOTES</b>	<a href="#">eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf</a>

	standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>POLLUTION DEGREE</b>	3
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0.04 W
<b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	1

## WIRING DIAGRAMS

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

<b>NUMBER OF SWITCHES (FAULT SIGNAL)</b>	0
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>MOUNTING METHOD</b>	Side mounting
<b>OVERVOLTAGE CATEGORY</b>	III
<b>CONTROL CIRCUIT RELIABILITY</b>	< 2 λ, < 1 failure at 100,000,000 Operations (at U <sub>e</sub> = 24 V DC, U <sub>min</sub> = 17 V, I <sub>min</sub> = 5.4 mA)
<b>MODEL</b>	Top mounting
<b>LAMP HOLDER</b>	None
<b>TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)</b>	0.75 - 1.5 mm <sup>2</sup>
<b>SAFE ISOLATION</b>	440 V, Between auxiliary contacts and main contacts, According to EN 61140
<b>RATED OPERATIONAL CURRENT (IE)</b>	1 A at AC-15, 440 V 500 V
<b>LIFESPAN, ELECTRICAL</b>	50,000 Operations
<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)</b>	1 A, 250 V DC, (UL/CSA) 5 A, 600 V AC, (UL/CSA)
<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)</b>	Q300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>PRODUCT CATEGORY</b>	Accessories
<b>SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING</b>	10 A gG/gL, Fuse, Auxiliary contacts
<b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V</b>	3.5 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V</b>	2 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V</b>	0.5 A
<b>RATED OPERATIONAL</b>	0.25 A

<b>CURRENT (IE) AT DC-13, 220 V, 230 V</b>	
<b>RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V</b>	2 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V</b>	1 A
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	3.5 A
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	500 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	250 V
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 14, Screw terminals

<b>PROJECT NAME:</b>
<b>PROJECT NUMBER:</b>
<b>PREPARED BY:</b>
<b>DATE:</b>



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