

**PKZ MOTOR PROTECTION CIRCUIT
BREAKER**

072894



Overview



Specifications



Resources

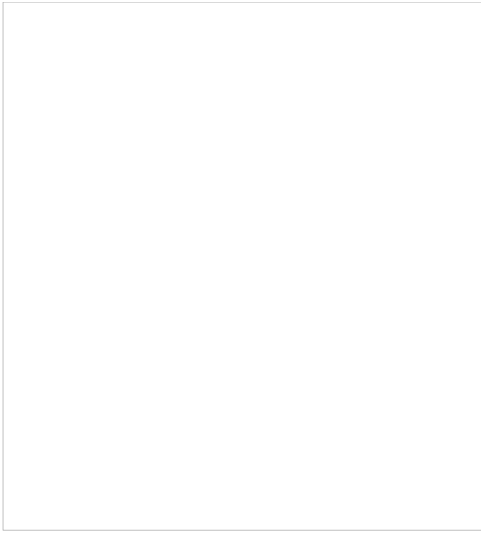
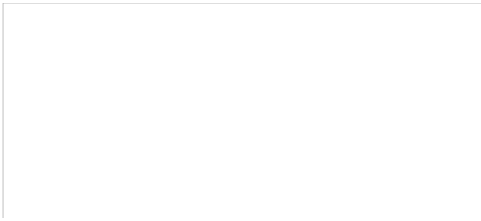
How to buy

072894

Eaton Moeller® series NHI Standard auxiliary connection

How to buy

- [Learn about our Push-in terminals](#)
- [Configure Motor Start Combination](#)



Designed to work together

Discover other Eaton products and accessories built to enhance this product.

132593

Eaton Moeller® series PKZM4 Circuit-breaker, Ir= 24 - 32 A, Screw terminals, Terminations: IP2X PKZM4-32-CB

222354

Eaton Moeller® series PKZM4 Motor-protective circuit-breaker, Ir= 32 - 40 A, Screw terminals, Terminations: IP00 PKZM4-40

190021

Eaton Moeller® series PKZM4 Motor-protective circuit-breaker, Ir= 32 - 40 A, Screw terminals, Terminations: IP00

222352

Eaton Moeller® series PKZM4 Motor-protective circuit-breaker, Ir= 16 A, Screw terminals, Terminations: IP00 PKZM4-25

[View more](#)

[View less](#)

GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton Moeller® series NHI Accessory Standard aux
		CATALOG NUMBER	072894
Product specifications	>	MODEL CODE	NHI21-PKZ0
		EAN	4015080728948
		PRODUCT LENGTH/DEPTH	68 mm
		PRODUCT HEIGHT	90 mm
		PRODUCT WIDTH	15 mm
		PRODUCT WEIGHT	0.038 kg
		CERTIFICATIONS	CSA Class No.: 3211-05 CE UL 508 CSA-C22.2 No. 14 UL Category Control No.: NLRV IEC/EN 60947-4-1 CSA UL UL File No.: E36332 CSA File No.: 165628
		CATALOG NOTES	Can be retrofitted on the right side of motor-protecti

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	3.5 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications must be observed.
LAMP HOLDER	None
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications must be observed.
MOUNTING METHOD	Side mounting
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
FEATURES	Interlocked opposing contacts

LIFESPAN, ELECTRICAL	50,000 Operations
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
SAFE ISOLATION	440 V, Between auxiliary contacts and main contact 61140
USED WITH	Motor protective circuit-breaker
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	3.5 A
ELECTRIC CONNECTION TYPE	Screw connection
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.04 W
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	2 A
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 1.5 mm ²
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	5 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
PRODUCT CATEGORY	Accessories
NUMBER OF SWITCHES (FAULT SIGNAL)	0
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	1 A
RATED OPERATIONAL CURRENT (IE)	1 A at AC-15, 440 V 500 V
SHORT-CIRCUIT PROTECTION RATING WITHOUT	10 A σG/σI. Fuse. Auxiliary contacts

WELDING	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.
CONNECTION TYPE	Screw connection
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.25 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Screw terminals
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
CONTROL CIRCUIT RELIABILITY	$< 2 \lambda, < 1$ failure at 100,000,000 Operations (at U _c = 17 V, I _{min} = 5.4 mA)
OVERVOLTAGE CATEGORY	III
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise. Eaton will provide heat dissipation data for the device.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
MODEL	Top mounting
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	Q300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2 A

Catalogs

Characteristic curve

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

072894



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power—today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.

