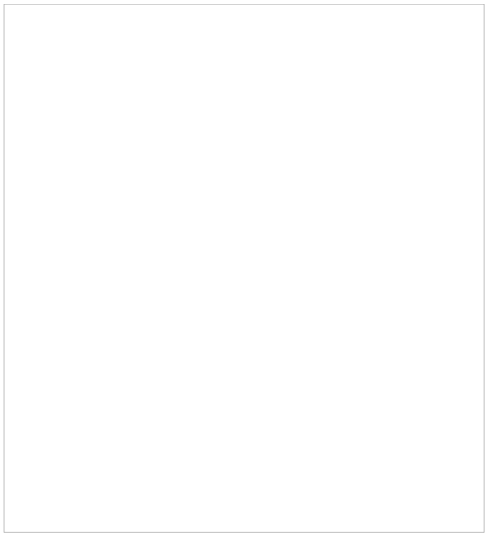
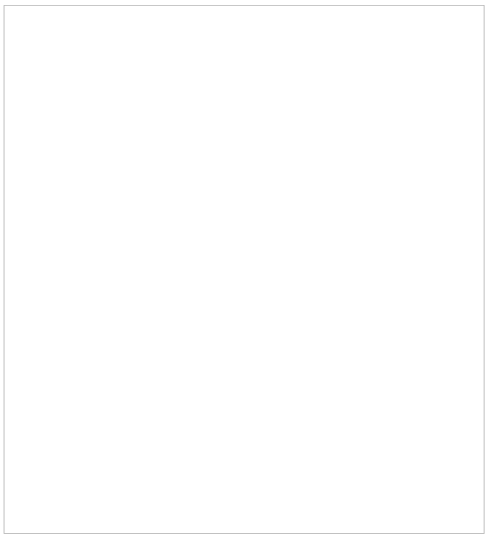
PKZ MOTOR PROTECTION CIRCUIT BREAKER

082884





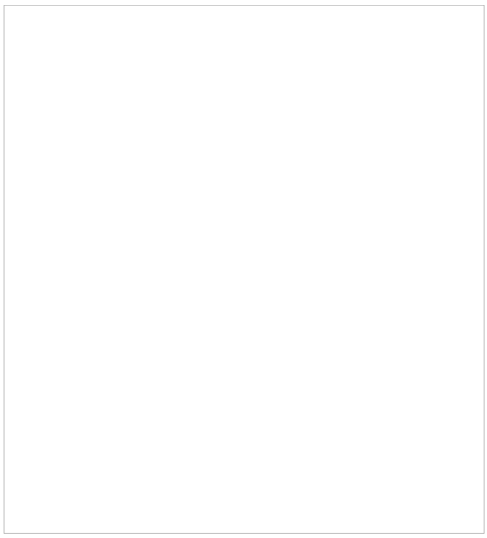
082884

Eaton Moeller® series NHI Standard auxiliary conta
fitted to the front, Screw terminals

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.

158250

Eaton Moeller® series PKZM4 Motor-protective circuit-breaker, Ir= 10 - 16 A, Screw terminals, Terminations: IP00
PKZM4-16/AK

158256

Eaton Moeller® series PKZM4 Motor-protective circuit-breaker, Ir= 55 - 65 A, Screw terminals, Terminations: IP00
PKZM4-63/AK

158251

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

190022

Eaton Moeller® series PKZM4 M
protective circuit-breaker, Ir= 40
Screw terminals, Terminations:

View more | View less

General specifications

Product specifications

GENERAL SPECIFICATIONS

PRODUCT NAME	Eaton Moeller® series NHI Accessory Standard aux
CATALOG NUMBER	082884
MODEL CODE	NHI-E-10-PKZ0
EAN	4015080828846
PRODUCT LENGTH/DEPTH	12 mm
PRODUCT HEIGHT	35 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.011 kg
CERTIFICATIONS	CE CSA File No.: 165628 CSA IEC/EN 60947-4-1 UL Category Control No.: NLRV CSA Class No.: 3211-05 CSA-C22.2 No. 14 UL File No.: E36332 UL UL 508
CATALOG NOTES	Can be fitted to the front. Terminal designation diffe auxiliary contact that can be fitted to the side

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1 A
10 kA SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio

10.11 SHORT-CIRCUIT RATING	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 specificatio must be observed.
MOUNTING METHOD	Front fastening
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
LIFESPAN, ELECTRICAL	100,000 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	1 A
ELECTRIC CONNECTION TYPE	Screw connection
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the inf 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)	0
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.01 W
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 1.5 mm²
SWITCHING CAPACITY (AUXILIARY CONTACTS	

SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	0.5 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
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, Fuse, Auxiliary contacts
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
LIFESPAN, MECHANICAL	100,000 Operations
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 16, Screw terminals
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
CONTROL CIRCUIT RELIABILITY	< 2 λ, < 1 failure at 100,000,000 Operations (at U_e = 17 V, Imin = 5.4 mA)
OVERVOLTAGE CATEGORY	III
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	440 V
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
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)	1
MODEL	Top mounting
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	E150, AC operated (UL/CSA)

RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2 A

Brochures

Catalogs

Certification reports

Characteristic curve

Declarations of conformity

Drawings

Installation instructions

Installation videos

mCAD model

Wiring diagrams

082884

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.