

**PKZ MOTOR PROTECTION CIRCUIT
BREAKER**

278495



Overview



Specifications



Resources

How to buy

278495

Eaton Moeller® series PKZ01 Auxiliary contact, open contact, 2N/O early

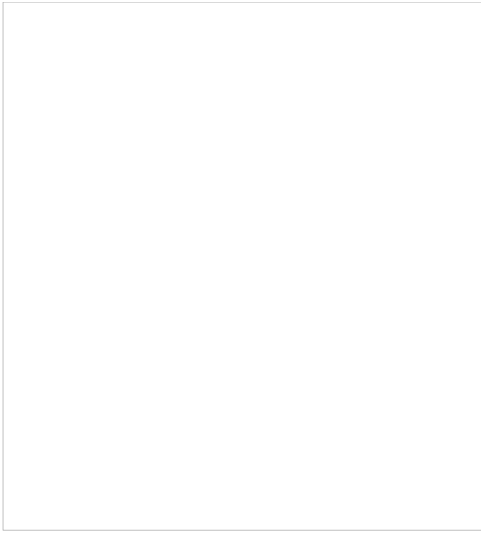
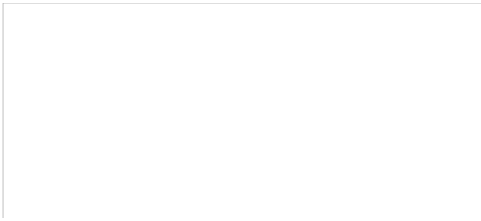
How to buy



Learn about our Push-in terminals



Configure Motor Start Combination



GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME Eaton Moeller® series PKZ01 Accessory Auxiliary

CATALOG NUMBER 278495

Product specifications



MODEL CODE VHI20-PKZ01

EAN 4015082784959

PRODUCT LENGTH/DEPTH 28 mm

PRODUCT HEIGHT 40 mm

PRODUCT WIDTH 45 mm

PRODUCT WEIGHT 0.021 kg

IEC/EN 60947-4-1
CE

UL Category Control No.: NLRV
 CSA Class No.: 3211-05
 CSA
 CSA File No.: 165628
 UL File No.: E36332
 CSA-C22.2 No. 14
 UL
 UL 508

CERTIFICATIONS

CATALOG NOTES

For the premature voltage application of the U-release
 EMERGENCY STOP circuits according to EN 602

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)

1 A

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility. The specification 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 specification 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 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	0.03 W
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 1.5 mm ²
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	0.5 A, 300 V AC, (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
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 _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	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)	2
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

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams



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.