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PKZ motor protection circuit breaker
203595

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Eaton Moeller® series PKZ0 Auxiliary contact, operates as an early-make contact, 2N/O early

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- General specifications
- Product specifications

General specifications

Product Name

Eaton Moeller® series PKZ0 Accessory Auxiliary contact

Catalog Number

203595

Model Code

VHI20-PKZ0

EAN

4015082035952

Product Length/Depth

40 mm

Product Height

44 mm

Product Width

45 mm

Product Weight

0.029 kg

Certifications

CE

CSA

IEC/EN 60947-4-1

CSA Class No.: 3211-05

CSA File No.: 165628

UL 508

UL File No.: E36332

CSA-C22.2 No. 14

UL

UL Category Control No.: NLRV

Catalog Notes

For the premature voltage application of the U-release, e.g. in EMERGENCY STOP circuits according to EN 60204.

Product specifications

Rated operational current for specified heat dissipation (In)

1 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear 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 for the switchgear must be observed.

Mounting method

Front fastening

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

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 be evaluated.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Safe isolation

440 V, Between auxiliary contacts and main contacts, According to EN 61140

Used with

Motor protective circuit-breaker

PKZ0-X(R)H(-M),MSC-... and PKZM0-X...M12

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 information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

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 be evaluated.

Heat dissipation per pole, current-dependent Pvid

0.03 W

Terminal capacity (solid/flexible with ferrule)

0.75 - 1.5 mm²

Switching capacity (auxiliary contacts, general use)

0.5 A, 300 VAC, (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_e = 24 VDC, U_{min} = 17 V, I_{min} = 5.4 mA)

Overvoltage category

III

Rated operational voltage (U_e) 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 VAC
10.10 Temperature rise
The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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
Serial Number Verified :
Authenticated: 
The product is verified as being authentic; however, this does not guarantee the condition or fit for purpose of the product.

Brochures

- [Save time and space thanks to the new link module PKZM0-XDM32ME](#)
- [Motor Starters in System xStart - brochure](#)

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Catalogs

- [Switching and protecting motors - catalog](#)
- [Product Range Catalog Switching and protecting motors](#)

Certification reports

- [DA-DC-00004246.pdf](#)

Declarations of conformity

- [DA-DC-00004937.pdf](#)

Drawings

- [eaton-manual-motor-starters-pkz-dimensions-002.eps](#)
- [eaton-manual-motor-starters-auxiliary-contact-pkz0-3d-drawing.eps](#)

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eCAD model

- [ETN.VHI20-PKZ0](#)

Installation instructions

- [IL0340203Z](#)

Installation videos

- [WIN-WIN with push-in technology](#)

mCAD model

- [vh120_pkz0.dwg](#)
- [vh120_pkz0.stp](#)

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Wiring diagrams

- [eaton-manual-motor-starters-auxiliary-contact-pkz01-wiring-diagram.eps](#)

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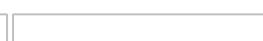
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