Specifications

Eaton 082164

Catalog Number: 082164

Eaton Moeller® series A-PKZ0 Shunt release (for power circuit breaker), 440 V 60 Hz, Standard voltage, AC, Screw terminals, For use with: Shunt release PKZ0(4), PKE



General specifications

Product Name
Eaton Moeller® series PKZ Shunt release

Catalog Number
082164

EAN
4015080821649

Product Length/Depth
68 mm

Product Height
90 mm

Product Width
24 mm

Product Weight
0.129 kg

Certifications
UL
UL Category Control No.: NLRV
IEC/EN 60947-4-1
UL 508
CE
CSA Class No.: 3211-05
CSA-C22.2 No. 14
CSA File No.: 165628
UL File No.: E36332
CSA

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Features & Functions

Electric connection type

Screw connection

General

Product category

Accessories

Suitable for

Motor safety switch

Used with

Motor protective circuit-breaker

Voltage type

AC

Ambient conditions, mechanical

Mounting position

Can be fitted to left side of the motor protection switch

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Terminal capacities

Terminal capacity (solid/flexible with ferrule)

1 x (0.75 - 2.5) mm²

2 x (0.75 - 2.5) mm²

Terminal capacity (solid/stranded AWG)

2 x (18 - 14)

1 x (18 - 14)

Electrical rating

Operational voltage

0.7- 1.1 x Us (DC)

0.7 - 1.1 x Us (AC)

0.7- 1.1 x Us (alternating voltage)

Rated operational voltage (Ue) at AC - min

42 V

Rated operational voltage (Ue) at AC - max

480 V

Rated operational voltage (Ue) at DC - min

24 V

Rated operational voltage (Ue) at DC - max

250 V

Magnet system

Operational voltage

0.7- 1.1 x Us (DC)

0.7 - 1.1 x Us (AC)

0.7- 1.1 x Us (alternating voltage)

Contacts

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

0

Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Rated control supply voltage (Us) at AC, 60 Hz - min

440 V

Rated control supply voltage (Us) at AC, 60 Hz - max

440 V

Rated control supply voltage (Us) at DC - min

0 V

Rated control supply voltage (Us) at DC - max

0 V

Number of contacts (normally open contacts)

0

Power consumption

Power consumption, pick-up, 50 Hz

5 VA, Pull-in power, Coil in a cold state and 1.0 x Us

Power consumption, pick-up, 60 Hz

5 VA, Pull-in power, Coil in a cold state and 1.0 x Us

Power consumption, sealing, 50 Hz

3 VA, Coil in a cold state and 1.0 x Us

Power consumption, sealing, 60 Hz

3 VA, Coil in a cold state and 1.0 x Us

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

0.5 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

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.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Resources

Brochures

eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf

eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf

Catalogs

Product Range Catalog Switching and protecting motors

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Declarations of conformity

DA-DC-00003914.pdf

DA-DC-00004996.pdf

DA-DC-00004944.pdf

DA-DC-00005037.pdf

DA-DC-00004246.pdf

DA-DC-00004919.pdf

DA-DC-00005002.pdf

DA-DC-00004960.pdf

DA-DC-00004961.pdf

DA-DC-00004993.pdf

DA-DC-00004997.pdf

DA-DC-00004244.pdf

DA-DC-00004915.pdf

DA-DC-00004882.pdf

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

DA-DC-00004545.pdf

10.2.6 Mechanical impact

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

DA-DC-00004880.pdf

10.2.7 Inscriptions

Meets the product standard's requirements.

DA-DC-00004914.pdf

10.3 Degree of protection of assemblies

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

DA-DC-00005041.pdf

10.4 Clearances and creepage distances

Meets the product standard's requirements.

DA-DC-00004230.pdf

10.5 Protection against electric shock

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

DA-DC-00004885.pdf

10.6 Incorporation of switching devices and components

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

DA-DC-00004601.pdf

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

DA-DC-00004992.pdf

10.8 Connections for external conductors

Is the panel builder's responsibility.

DA-DC-00004881.pdf

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

DA-DC-00004937.pdf

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

DA-DC-00004945.pdf

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

DA-DC-00004917.pdf

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

DA-DC-00004976.pdf

10.11 Short-circuit rating

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

DA-DC-00004544.pdf

10.12 Electromagnetic compatibility

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

DA-DC-00004920.pdf

10.13 Mechanical function

DA-DC-00004890.pdf

DA-DC-00004851.pdf

DA-DC-00004972.pdf

DA-DC-00004952.pdf

DA-DC-00004883.pdf

DA-DC-00004916.pdf

DA-DC-00004886.pdf

DA-DC-00004918.pdf

DA-DC-00004889.pdf

DA-DC-00005040.pdf

DA-DC-00004316.pdf

DA-DC-00004787.pdf

DA-DC-00004969.pdf

DA-DC-00004878.pdf

DA-DC-00004891.pdf

DA-DC-00004887.pdf

DA-DC-00004206.pdf

DA-DC-00004884.pdf

DA-DC-00005031.pdf

DA-DC-00004069.pdf

DA-DC-00004913.pdf

DA-DC-00004912.pdf

DA-DC-00004888.pdf

DA-DC-00004910.pdf

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

DA-DC-00004953.pdf

Drawings

eaton-manual-motor-starters-release-u-pkz0-accessory-dimensions.eps

eaton-manual-motor-starters-shunt-releases-u-pkz0-accessory-3d-drawing.eps

eaton-manual-motor-starters-release-u-pkz0-accessory-3d-drawing.eps

eCAD model

ETN.082164.edz

Installation instructions

IL03402034Z

Installation videos

Video Motor Protective Circuit Breaker PKE

WIN-WIN with push-in technology

mCAD model

DA-CS-a_pkz

DA-CD-a_pkz

Sales notes

eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf

Wiring diagrams

eaton-manual-motor-starters-release-a-pkz0-shunt-release-wiring-diagram.eps

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