

Eaton 073181

Catalog Number: 073181

Eaton Moeller® series A-PKZ0 Shunt release PKZ0(4), PKE, AC, 24 V 50 Hz, Screw terminals

General specifications



Product Name	Catalog Number
Eaton Moeller® series PKZ Shunt release	073181
	EAN
	4015080731818
Product Length/Depth	Product Height
68 mm	90 mm
Product Width	Product Weight
24 mm	0.128 kg

Certifications

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

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 (alternating voltage)

0.7 - 1.1 x Us (AC)

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 (alternating voltage)

0.7 - 1.1 x Us (AC)

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

24 V

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

24 V

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

0 V

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

0 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 P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0 W

Rated operational current for specified heat dissipation (I_n)

0 A

Static heat dissipation, non-current-dependent P_{vs}

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-00004069.pdf](#)

[DA-DC-00004891.pdf](#)

[DA-DC-00004887.pdf](#)

[DA-DC-00004878.pdf](#)

[DA-DC-00004969.pdf](#)

[DA-DC-00004910.pdf](#)

[DA-DC-00003914.pdf](#)

[DA-DC-00004953.pdf](#)

[DA-DC-00004950.pdf](#)

[DA-DC-00004996.pdf](#)

[DA-DC-00004889.pdf](#)

[DA-DC-00004918.pdf](#)

[DA-DC-00005040.pdf](#)

[DA-DC-00004316.pdf](#)

Does not apply, since the entire switchgear needs to be evaluated.	DA-DC-00004787.pdf
	DA-DC-00004851.pdf
10.2.6 Mechanical impact	DA-DC-00004920.pdf
Does not apply, since the entire switchgear needs to be evaluated.	DA-DC-00004890.pdf
	DA-DC-00004972.pdf
10.2.7 Inscriptions	DA-DC-00004886.pdf
Meets the product standard's requirements.	DA-DC-00004916.pdf
10.3 Degree of protection of assemblies	DA-DC-00005041.pdf
Does not apply, since the entire switchgear needs to be evaluated.	DA-DC-00004554.pdf
	DA-DC-00004882.pdf
10.4 Clearances and creepage distances	DA-DC-00004545.pdf
Meets the product standard's requirements.	DA-DC-00004888.pdf
10.5 Protection against electric shock	DA-DC-00004913.pdf
Does not apply, since the entire switchgear needs to be evaluated.	DA-DC-00004912.pdf
	DA-DC-00004246.pdf
10.6 Incorporation of switching devices and components	DA-DC-00004944.pdf
Does not apply, since the entire switchgear needs to be evaluated.	DA-DC-00005037.pdf
	DA-DC-00004919.pdf
10.7 Internal electrical circuits and connections	DA-DC-00005002.pdf
Is the panel builder's responsibility.	DA-DC-00004960.pdf
10.8 Connections for external conductors	DA-DC-00004961.pdf
Is the panel builder's responsibility.	DA-DC-00005031.pdf
10.9.2 Power-frequency electric strength	DA-DC-00004884.pdf
Is the panel builder's responsibility.	DA-DC-00004206.pdf
	DA-DC-00004915.pdf
10.9.3 Impulse withstand voltage	DA-DC-00004244.pdf
Is the panel builder's responsibility.	DA-DC-00004914.pdf
10.9.4 Testing of enclosures made of insulating material	DA-DC-00004880.pdf
Is the panel builder's responsibility.	DA-DC-00004997.pdf
10.10 Temperature rise	DA-DC-00004993.pdf
The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.	DA-DC-00004883.pdf
	DA-DC-00004952.pdf
10.11 Short-circuit rating	DA-DC-00004885.pdf
Is the panel builder's responsibility. The specifications for the switchgear must be observed.	DA-DC-00004976.pdf
	DA-DC-00004917.pdf
10.12 Electromagnetic compatibility	DA-DC-00004601.pdf
Is the panel builder's responsibility. The specifications for the switchgear must be observed.	DA-DC-00004937.pdf
	DA-DC-00004230.pdf
10.13 Mechanical function	DA-DC-00004945.pdf

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

[DA-DC-00004992.pdf](#)

[DA-DC-00004881.pdf](#)

Drawings

[eaton-manual-motor-starters-release-u-pkz0-accessory-dimensions.eps](#)

[eaton-manual-motor-starters-release-u-pkz0-accessory-3d-drawing.eps](#)

[eaton-manual-motor-starters-shunt-releases-u-pkz0-accessory-3d-drawing.eps](#)

eCAD model

[ETN.073181.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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Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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