

Specifications

Photo is representative

Eaton 082161

Eaton Moeller® series U-PKZ0 Undervoltage release PKZ0(4), PKE, AC, 440 V 60 Hz, Screw terminals

General specifications

PRODUCT NAME	Eaton Moeller® series U-PKZ0 Accessory Undervoltage Release
CATALOG NUMBER	082161
EAN	4015080821618
PRODUCT LENGTH/DEPTH	68 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	24 mm
PRODUCT WEIGHT	0.126 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CE UL File No.: E36332 CSA-C22.2 No. 14 CSA Class No.: 3211-05 CSA File No.: 165628 UL Category Control No.: NLRV UL CSA UL 508
MODEL CODE	U-PKZ0(440V60HZ)

Features & Functions

ELECTRIC CONNECTION TYPE	Screw connection
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT OPERATING TEMPERATURE - MAX	55 °C
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Electrical rating

RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN	42 V
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	480 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	24 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
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General

MOUNTING POSITION	Can be fitted to left side of the motor protection switch
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PRODUCT CATEGORY	Accessories
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SUITABLE AS	EMERGENCY STOP or EMERGENCY switching-off device in accordance with IEC/EN 60204 when combined with circuit breaker
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SUITABLE FOR	Motor safety switch
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USED WITH	Motor protective circuit-breaker
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VOLTAGE TYPE	AC
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Terminal capacities

TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
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TERMINAL CAPACITY (SOLID/STRANDED AWG)	1 x (18 - 14) 2 x (18 - 14)
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Magnet system

DROP-OUT VOLTAGE	0,7- 0,35 x U _c
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PICK-UP VOLTAGE	0.85 - 1.1 V x U _c
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RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	440 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	440 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
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Contacts

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
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NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
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NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
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Power consumption

POWER CONSUMPTION, PICK-UP, 50 HZ	5 VA, Pull-in power, Coil in a cold state and 1.0 x Us
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POWER CONSUMPTION, PICK-UP, 60 HZ	5 VA, Pull-in power, Coil in a cold state and 1.0 x Us
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POWER CONSUMPTION, SEALING, 50 HZ	3 VA, Coil in a cold state and 1.0 x Us
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POWER CONSUMPTION, SEALING, 60 HZ	3 VA, Coil in a cold state and 1.0 x Us
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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 Does not apply, since the entire switchgear needs to be evaluated.

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

10.2.7 INSCRIPTIONS Meets the product standard's requirements.

10.3 DEGREE OF PROTECTION OF ASSEMBLIES Does not apply, since the entire switchgear needs to be evaluated.

10.4 CLEARANCES AND CREEPAGE DISTANCES Meets the product standard's requirements.

10.5 PROTECTION AGAINST ELECTRIC SHOCK Does not apply, since the entire switchgear needs to be evaluated.

Resources

BROCHURES

[eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf](#)

CATALOGUES

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

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

[DA-DC-00004244.pdf](#)

[DA-DC-00004880.pdf](#)

[DA-DC-00004914.pdf](#)

[DA-DC-00004915.pdf](#)

[DA-DC-00004545.pdf](#)

[DA-DC-00004882.pdf](#)

[DA-DC-00004976.pdf](#)

[DA-DC-00004945.pdf](#)

[DA-DC-00004988.pdf](#)

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

[DA-DC-00004230.pdf](#)

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

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

[DA-DC-00004821.pdf](#)

[DA-DC-00004601.pdf](#)

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[DA-DC-00005037.pdf](#)

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[DA-DC-00004944.pdf](#)

[DA-DC-00004834.pdf](#)

[DA-DC-00004851.pdf](#)

[DA-DC-00004890.pdf](#)

DECLARATIONS OF CONFORMITY

10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

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	DA-DC-00004920.pdf
	DA-DC-00004891.pdf
	DA-DC-00004884.pdf
	DA-DC-00005031.pdf
	DA-DC-00004069.pdf
	DA-DC-00004886.pdf
	DA-DC-00004952.pdf
	DA-DC-00004883.pdf
	DA-DC-00004969.pdf
	DA-DC-00004950.pdf
	DA-DC-00004953.pdf
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	DA-DC-00004912.pdf
	DA-DC-00004996.pdf
	DA-DC-00004246.pdf
	DA-DC-00004787.pdf
	DA-DC-00005040.pdf
	DA-DC-00005041.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.082161.edz
INSTALLATION INSTRUCTIONS	IL03402034Z
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CD-a_pkz DA-CS-a_pkz
SALES NOTES	eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf

WIRING DIAGRAMS

[eaton-manual-motor-starters-undervoltage-u-pkz0-accessory-wiring-diagram.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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