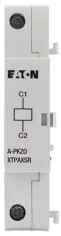
Specifications



Eaton 073181

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

General specifications	
PRODUCT NAME	Eaton Moeller® series PKZ Shunt release
CATALOG NUMBER	073181
EAN	4015080731818
PRODUCT LENGTH/DEPTH	68 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	24 mm
PRODUCT WEIGHT	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
MODEL CODE	A-PKZ0(24V50HZ)

Powering Business Worldwide

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) mm^2 2 x (0.75 - 2.5) mm^2
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)
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

Contacts

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
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	Meets the product standard's requirements.

TO NORMAL HEAT	
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.
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.

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
CATALOGUES	Product Range Catalog Switching and protecting motors eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004880.pdf DA-DC-00004545.pdf DA-DC-00004915.pdf DA-DC-00004993.pdf DA-DC-00004914.pdf DA-DC-00004244.pdf DA-DC-00005041.pdf DA-DC-00004882.pdf DA-DC-00004997.pdf DA-DC-00004960.pdf DA-DC-00004919.pdf DA-DC-00005002.pdf DA-DC-00004961.pdf DA-DC-00005037.pdf DA-DC-00004246.pdf DA-DC-00004969.pdf DA-DC-00004891.pdf DA-DC-00004887.pdf DA-DC-00004953.pdf DA-DC-00004950.pdf DA-DC-00004996.pdf DA-DC-00004912.pdf DA-DC-00004952.pdf

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	DA-DC-00005031.pdf
	DA-DC-00004316.pdf
	DA-DC-00004787.pdf
	DA-DC-00004918.pdf
	DA-DC-00004889.pdf
	DA-DC-00005040.pdf
	DA-DC-00004972.pdf
	DA-DC-00004851.pdf
	DA-DC-00004920.pdf
	DA-DC-00004890.pdf
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	DA-DC-00004992.pdf
	DA-DC-00004944.pdf
	DA-DC-00004913.pdf
	DA-DC-00004888.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

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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