Specifications

Photo is representative

Eaton 073139

Eaton Moeller® series U-PKZ0 Undervoltage release PKZ0(4), PKE, AC, 415 V 50 Hz, Screw terminals

General specifications

PRODUCT NAME	Eaton Moeller® series U-PKZ0 Accessory Undervoltage Release
CATALOG NUMBER	073139
MODEL CODE	U-PKZ0(415V50HZ)
EAN	4015080731399
PRODUCT LENGTH/DEPTH	68 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	24 mm
PRODUCT WEIGHT	0.126 kg
CERTIFICATIONS	CSA IEC/EN 60947-4-1 UL File No.: E36332 CE CSA File No.: 165628 CSA-C22.2 No. 14 UL UL 508 CSA Class No.: 3211-05 UL Category Control No.: NLRV

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Climatic environmental conditions

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

Contacts

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

Design verification

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.5 W
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.
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

Electrical rating

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

	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W

General information

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

Magnet system

DROP-OUT VOLTAGE	0,7- 0,35 x Uc
PICK-UP VOLTAGE	0.85 - 1.1 V x Uc
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	415 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	415 V

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

Terminal capacities

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

Resources	
BROCHURES	eaton-push-in-technology-product-overview-brochure-br034012-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	eaton-accessory-declaration-of-conformity-uk251155en.pdf eaton-accessory-declaration-of-conformity-eu250672en.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.073139.edz
INSTALLATION INSTRUCTIONS	IL03402034Z
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-a_pkz eaton-undervoltage-releases-mcad-drawings-a-pkz.dwg
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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