

Specifications



Photo is representative



Eaton 173425

Eaton Moeller® series PKE Overload relay function, 24 V DC

General specifications

PRODUCT NAME	Eaton Moeller® series PKE Overload relay module
CATALOG NUMBER	173425
MODEL CODE	PKE-XZMR(24VDC)
EAN	4015081698288
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	0.079 kg
COMPLIANCES	CE

Ambient conditions, mechanical

MOUNTING POSITION	Right side (of PKE motor-protective circuit-breakers with advanced PKE-XTU...A... trip blocks)
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Contacts

NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS) 0

NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) 1

NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) 1

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) 1

NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) 1

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX 55 °C

AMBIENT OPERATING TEMPERATURE - MIN -25 °C

Design verification

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 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	0.017 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.5 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.61 W

Electrical rating

OPERATIONAL VOLTAGE	0.8 - 1.1 x Us
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RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	7777777 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	1.5 A
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	7777777 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
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SAFE ISOLATION	440 V, Between auxiliary contacts and main contacts, According to EN 61140
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General information

CLASS	Other
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LIFESPAN, ELECTRICAL	200,000 Operations
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LIFESPAN, MECHANICAL	5,000,000 Operations
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MOUNTING METHOD	Direct attachment
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OVERVOLTAGE CATEGORY	III
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POLLUTION DEGREE	3
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PRODUCT CATEGORY	Accessories
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RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
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VOLTAGE TYPE	DC
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Power consumption

POWER CONSUMPTION (PICK-UP) AT DC	0.5 W
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Terminal capacities

TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 2.5 mm ²
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TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
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Features & functions

FEATURES	Status display via LED
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FUNCTIONS	Adjustable manual/auto reset Overload relay function (the motor-protective circuit-breaker will not trip in the event of an overload)
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Magnet system

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	24 V
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RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	24 V
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Short-circuit rating

SHORT-CIRCUIT PROTECTION RATING	6 A gG/gL, Fuse, Contacts
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Resources

BROCHURES	eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf
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	eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf
CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251181en.pdf eaton-accessory-declaration-of-conformity-eu250698en.pdf
DRAWINGS	eaton-manual-motor-starters-pke-accessory-dimensions.eps eaton-manual-motor-starters-pke-accessory-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.PKE-XZMR(24VDC)
INSTALLATION INSTRUCTIONS	IL034007ZU
INSTALLATION VIDEOS	Video Motor Protective Circuit Breaker PKE WIN-WIN with push-in technology
MCAD MODEL	pke_xzmr.stp eaton-electronic-overload-relays-mcad-drawings-pke-xzmr.dwg
SALES NOTES	eaton-overload-relay-module-pke-xzmr-flyer-fl034002en-en-us.pdf eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf
WIRING DIAGRAMS	eaton-manual-motor-starters-pke-accessory-wiring-diagram.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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