

Specifications



Eaton 173416

Eaton Moeller® series PKE Overload relay function, 230 V 50Hz

General specifications

PRODUCT NAME	Eaton Moeller® series PKE Overload relay module
CATALOG NUMBER	173416
MODEL CODE	PKE-XZMR(230V50HZ)
EAN	4015081698172
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	0.079 kg
COMPLIANCES	CE
GLOBAL CATALOG	173416

Product specifications

PRODUCT CATEGORY	Accessories
FEATURES	Status display via LED
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	Meets the product

Resources

	eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf
BROCHURES	eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf
CATALOGS	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf Product Range Catalog Switching and protecting motors
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-eu250698en.pdf eaton-accessory-declaration-of-conformity-uk251181en.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(230V50HZ)
INSTALLATION INSTRUCTIONS	IL034007ZU
INSTALLATION VIDEOS	Video Motor Protective Circuit Breaker PKE WIN-WIN with push-in technology
MCAD MODEL	pke_xzmr.stp pke_xzmr.dwg
SALES NOTES	eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf eaton-overload-relay-module-pke-xzmr-flyer-fl034002en-en-us.pdf
WIRING DIAGRAMS	eaton-manual-motor-starters-pke-accessory-wiring-diagram.eps

CREEPAGE DISTANCES	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.
POLLUTION DEGREE	3
CLASS	Other
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
FUNCTIONS	Adjustable manual/auto reset Overload relay function (the motor-protective circuit-breaker will not trip in the event of an overload)
LIFESPAN, MECHANICAL	5,000,000 Operations
ADJUSTABLE CURRENT RANGE - MAX	0 A
ADJUSTABLE CURRENT RANGE - MIN	0 A
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.017 W
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY	1

CLOSED CONTACTS)	
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Other
RESET FUNCTION	Automatic Push-button
VOLTAGE TYPE	AC
MOUNTING POSITION	Right side (of PKE motor-protective circuit-breakers with advanced PKE-XTU...A... trip blocks)
MOUNTING METHOD	Direct attachment
OVERVOLTAGE CATEGORY	III
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1.5 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.5 A
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
STATIC HEAT DISSIPATION, NON-	0.54 W

CURRENT-DEPENDENT PVS	
OPERATIONAL VOLTAGE	0.8 - 1.1 x Us (alternating voltage)
LIFESPAN, ELECTRICAL	200,000 Operations
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 2.5 mm ²
SAFE ISOLATION	440 V, Between auxiliary contacts and main contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 50 HZ	1.7 VA, Pull-in power, Coil in a cold state and 1.0 x Us
POWER CONSUMPTION, PICK-UP, 60 HZ	1.7 VA, Pull-in power, Coil in a cold state and 1.0 x Us
SHORT-CIRCUIT PROTECTION RATING	6 A gG/gL, Fuse, Contacts
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
VOLTAGE TYPE OF OPERATING VOLTAGE	AC
RATED SWITCH CURRENT	1.5 A
OPERATING VOLTAGE AT AC, 50 HZ - MIN	230 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	230 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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