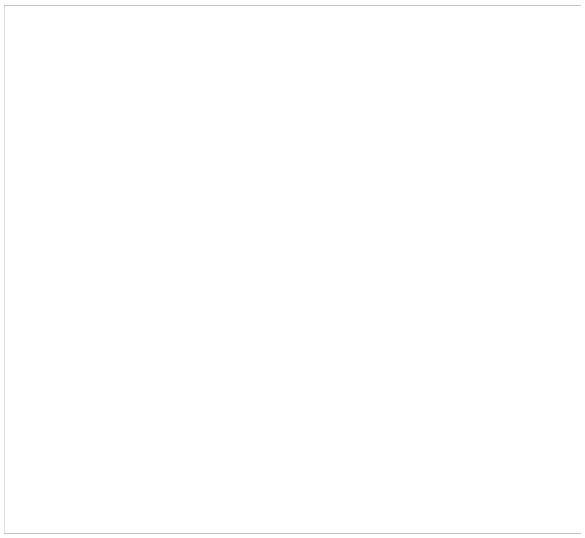
PKE ELECTRONIC MOTOR PROTECTION CIRCUIT BREAKER

173416



173416

Eaton Moeller® series PKE Overload relay function

How to buy

General specifications

Product specifications

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

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.5 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio must be observed.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V
OPERATIONAL VOLTAGE	0.8 - 1.1 x Us (alternating voltage)
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specificatio must be observed.
MOUNTING METHOD	Direct attachment
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
RESET FUNCTION	Automatic Push-button
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
ADJUSTABLE CURRENT RANGE - MIN	0 A
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
FEATURES	Status display via LED
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.54 W
LIFESPAN, ELECTRICAL	200,000 Operations
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Other
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
SAFE ISOLATION	440 V, Between auxiliary contacts and main contact 61140

MOUNTING POSITION	Right side (of PKE motor-protective circuit-breakers XTU…A… trip blocks)
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1.5 A
CLASS	Other
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the inf instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.017 W
VOLTAGE TYPE	AC
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 2.5 mm²
PRODUCT CATEGORY	Accessories
POWER CONSUMPTION, PICK-UP, 50 HZ	1.7 VA, Pull-in power, Coil in a cold state and 1.0
HEAT DISSIPATION CAPACITY PDISS	0 W
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
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.
LIFESPAN, MECHANICAL	5,000,000 Operations
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
OVERVOLTAGE CATEGORY	III
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
POLLUTION DEGREE	3
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.

POWER CONSUMPTION, PICK-UP, 60 HZ	1.7 VA, Pull-in power, Coil in a cold state and 1.0
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Adjustable manual/auto reset Overload relay function (the motor-protective circuit in the event of an overload)
ADJUSTABLE CURRENT RANGE - MAX	0 A
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
SHORT-CIRCUIT PROTECTION RATING	6 A gG/gL, Fuse, Contacts
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1

Brochures

Catalogs

Certification reports

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

173416

Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power ─ today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.