



**PKE ELECTRONIC MOTOR PROTECTION
CIRCUIT BREAKER**

172735



Overview



Specifications



Resources

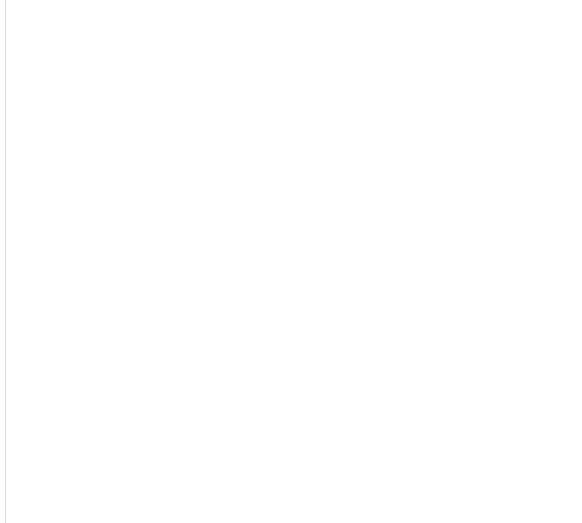
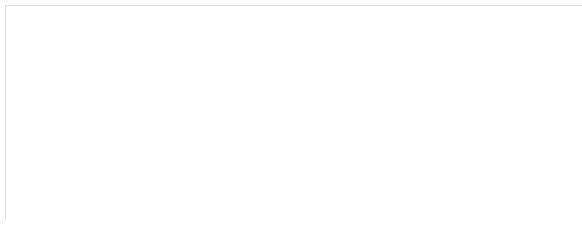
How to buy

172735

Eaton Moeller® series PKE Function element for control
SmartWire-DT



How to buy



GENERAL SPECIFICATIONS

General specifications

**PRODUCT NAME**

Eaton Moeller® series PKE Function element

Product specifications

**CATALOG NUMBER**

172735

MODEL CODE

PKE-SWD-CP

EAN

4015081692811

PRODUCT LENGTH/DEPTH

75 mm

PRODUCT HEIGHT

65 mm

PRODUCT WIDTH

67.5 mm

PRODUCT WEIGHT

0.028 kg

CERTIFICATIONS

IEC/EN 61131-2

PRODUCT SPECIFICATIONS

RADIATED RFI	10 V (IEC/EN 61131-2:2008, Level 3)
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specification must be observed.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specification must be observed.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be transported by the manufacturer.
LED INDICATOR	Status indication of SmartWire-DT network: Green
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
AMBIENT STORAGE TEMPERATURE - MIN	-30 °C
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
CONSTANT AMPLITUDE	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Level 3
CONTACT DISCHARGE	4 kV, according to IEC/EN 61131-2, Level 2, ESD
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
CONNECTION TO SMARTWIRE-DT	Yes
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
STATION	SmartWire-DT slave, SmartWire-DT network
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be transported by the manufacturer.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be transported by the manufacturer.
MOUNTING POSITION	As PKE32/65
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be transported by the manufacturer.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be transported by the manufacturer.
PRODUCT CATEGORY	<ul style="list-style-type: none"> • Accessories • SmartWire-DT slave
DROP AND TOPPLE	50 mm Drop height, Drop to IEC/EN 60068-2-31
ACCESSORY/SPARE PART TYPE	Communication and measuring function

RADIO INTERFERENCE CLASS	Class A (EN 55011)
HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX	0.3 m
CONSTANT ACCELERATION	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, V
AIR DISCHARGE	8 kV, according to IEC 61131-2, level 3, ESD
ADDRESSING	Address set automatically
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.
CONNECTION TYPE	SWD: Plug, 8-pole External device plug SWD4-8SF2-5, SmartWire-DT
ELECTROMAGNETIC FIELDS	10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2) 1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2) 3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2)
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	II
RELATIVE HUMIDITY	5 - 95 % (non-condensing, IEC/EN 60068-2-30)
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
POLLUTION DEGREE	2
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Remote circuit-breaker de-energization For attachment to PKE circuit-breakers Display of Set short-circuit release value Display of Contactor state PKE Display of Trip indications (Overload, Short-circuit) Display of Part no. of trip block Display of All phase currents in % For connecting the PKE circuit-breaker with PKE-X blocks to SmartWire-DT Display of Thermal load as a % System protection Display of Set value of overload releases
BURST IMPULSE	1 kV, SmartWire-DT cable, Signal cable, according to IEC/EN 61131-2, Level 3 1 kV, CAN/DP-bus cable, SmartWire-DT cables, according to IEC/EN 61131-2, Level 3
TYPE	Function element
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.

ENVIRONMENTAL CONDITIONS

Condensation: prevent with appropriate measures

CURRENT CONSUMPTION

35 mA, SmartWire-DT network, 15-V-SWD supply

SHOCK RESISTANCE15 g, Mechanical, according to IEC/EN 60068-2-27
shock 11 ms, 9 Impacts

Brochures

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

Manuals and user guides

mCAD model

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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.