Specifications

Eaton 199344



Catalog Number: 199344

Eaton Moeller® series PKE Function element for connecting interface to Modbus RTU

General specifications

Product Name
Eaton Moeller® series PKE Function element

Catalog Number
199344

EAN
4015081975921

Product Length/Depth
75 mm

Product Height
65 mm

Product Width
67.5 mm

Product Weight
0.032 kg

Certifications
CSA File No.: 165628
IEC/EN 61131-2
UL File No.: E36332
UL Category Control No.: NKCR

Catalog Notes
Messages: Display of All phase currents in % - Display of Contactor state PKE - Display of Part no. of trip block - Display of Set short-circuit release value - Display of Set value of overload releases - Display of Thermal load as a % - Display of Trip indications (Overload, Short-circuit,...) - Commands: Remote disconnection of motor-protective circuit-breaker

Powering Business Worldwide

Features & Functions

Fitted with:

Potential separation

General

Degree of protection

IP20

Explosion safety category for dust

None

Explosion safety category for gas

None

Overvoltage category

II

Pollution degree

2

Protocol

MODBUS

Type

Modbus RTU PKE module

Used with

Brightlayer

Voltage type

DC

Ambient conditions, mechanical

Constant acceleration

1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations

Constant amplitude

3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations

Drop and topple

50 mm Drop height, Drop to IEC/EN 60068-2-31

Height of fall (IEC/EN 60068-2-32) - max

0.3 m

Mounting position

As PKE12/35/65

Shock resistance

15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Ambient storage temperature - min

-30 °C

Ambient storage temperature - max

70 °C

Environmental conditions

Condensation: prevent with appropriate measures

Relative humidity

5 - 95 % (non-condensing, IEC/EN 60068-2-30)

Electro magnetic compatibility

Air discharge

8 kV, according to IEC 61131-2, level 3, ESD

Burst impulse

1 kV, Signal cable

Electromagnetic fields

1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2:2008)

3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2:2008)

10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2:2008)

Radiated RFI

10 V (IEC/EN 61131-2:2008, Level 3)

Radio interference class

Class A (EN 55011)

Electrical rating

Supply voltage at AC, 50 Hz - min

0 V

Supply voltage at AC, 50 Hz - max

0 V

Supply voltage at DC - min

15 V

Supply voltage at DC - max

15 V

Design verification

Static heat dissipation, non-current-dependent Pvs

0.5 W

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

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.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

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.

Resources

Brochures

eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf

eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf

Catalogs

Product Range Catalog Switching and protecting motors

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Declarations of conformity

DA-DC-00004356.pdf

DA-DC-00004320.pdf

Drawings

eaton-manual-motor-starters-pke-function-element-dimensions.eps

Installation instructions

IL122022ZU

Installation videos

Video Motor Protective Circuit Breaker PKE

WIN-WIN with push-in technology

Manuals and user guides

MN034005_EN

mCAD model

icpd_pke_com_rtu.stp

icpd_pke_com_rtu.dwg

Sales notes

eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia