Product specifications

Eaton 138260

Catalog Number: 138260

Eaton Moeller® series PKE Trip block, 16 - 65 A, Motor protection, Connection to SmartWire-DT: yes, For use with: PKE65 basic device

General specifications

Product Name
Eaton Moeller® series PKE Accessory Trip block

Catalog Number
138260

Model Code
PKE-XTUA-65

EAN
4015081350407

Product Length/Depth
84.4 mm

Product Height
69.9 mm

Product Width
55 mm

Product Weight
0.238 kg

Certifications
UL File No.: E36332
CSA File No.: 165628
CE
CSA Class No.: 3211-05
UL Category Control No.: NLRV
IEC/EN 60947-4-1
UL 508
CSA-C22.2 No. 14-10
VDE 0660
UL
CSA
IEC/EN 60947

Model Code
PKE-XTUA-65

Features & Functions

Features

Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)

Functions

Motor protection for heavy starting duty

Overload release

Motor protection

Number of poles

Three-pole

General

Current flow times - min

1000 (Class 20) AC-4 cycle operation, Main conducting paths
For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods.
500 (Class 5) AC-4 cycle operation, Main conducting paths
900 (Class 15) AC-4 cycle operation, Main conducting paths
700 (Class 10) AC-4 cycle operation, Main conducting paths
Note: Going below the minimum current flow time can cause overheating of the load (motor).

Cut-out periods - min

≤ 500 ms, main conducting paths, AC-4 cycle operation

Degree of protection

Device: IP20

Terminals: IP00

Operating frequency

60 Operations/h

Overload release current setting - min

16 A

Overload release current setting - max

65 A

Overvoltage category

III

Pollution degree

3

Product category

Accessories

Protection

Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)

Rated impulse withstand voltage (Uimp)

6000 V AC

Temperature compensation

-5 - 40 °C to IEC/EN 60947, VDE 0660

-25 - 55 °C, Operating range

Voltage type

Self powered

Ambient conditions, mechanical

Shock resistance

15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

Climatic environmental conditions

Altitude

Max. 2000 m

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Ambient operating temperature (enclosed) - min

25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient storage temperature - min

40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Electrical rating

Rated frequency - min

50 Hz

Rated frequency - max

60 Hz

Rated operational current (Ie)

65 A

Rated operational voltage (Ue) at AC - max

690 V

Rated uninterrupted current (Iu)

65 A

Short-circuit rating

Short-circuit release

Trip block fixed 15.5 x Ir

± 20% tolerance, Trip blocks

Delayed approx. 60 ms, Trip blocks

Switching capacity

Switching capacity at AC-3 (up to 690 V)

65 A

Magnet system

Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Rated control supply voltage (Us) at AC, 60 Hz - min

0 V

Rated control supply voltage (Us) at AC, 60 Hz - max

0 V

Rated control supply voltage (Us) at DC - min

0 V

Rated control supply voltage (Us) at DC - max

0 V

Communication

Connection to SmartWire-DT

In conjunction with PKE-SWD-SP SmartWire DT PKE module

Yes

Design verification

Equipment heat dissipation, current-dependent Pvid

9.3 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

3.1 W

Rated operational current for specified heat dissipation (In)

65 A

Static heat dissipation, non-current-dependent Pvs

0 W

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.

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.

Resources

Brochures

Motor-Protective Circuit-Breaker PKE - brochure

Motor Starters in System xStart - brochure

PKE – Communication module Modbus RTU

Catalogues

Product Range Catalog Switching and protecting motors

Product overview for machinery

Certification reports

DA-DC-00004108.pdf

DA-DC-00004554.pdf

DA-DC-00004545.pdf

DA-DC-00004538.pdf

DA-DC-00004544.pdf

DA-DC-00004539.pdf

DA-DC-00004548.pdf

DA-DC-00004244.pdf

Characteristic curve

eaton-manual-motor-starters-pke65-characteristic-curve-005.eps

1210DIA-67

Drawings

1210DRW-287

eaton-manual-motor-starters-pke-trip-block-3d-drawing.eps

eaton-manual-motor-starters-mounting-3d-drawing.eps

1210DRW-491

eCAD model

DA-CE-ETN.PKE-XTUA-65

Installation instructions

IL034013ZU

Installation videos

Video Motor Protective Circuit Breaker PKE

mCAD model

DA-CS-pke_xtua_65

DA-CD-pke_xtua_65

User guides

MN03402004Z_DE_EN

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