Specifications

Eaton 235865



Catalog Number: 235865

Eaton Distribution parts. Residual current circuit-breaker, 25A, 0p, 3mA, A-Char, 3

General specifications

Product Name	**Catalog Number**
Eaton Distribution parts	235865
EAN	**Product Length/Depth**
4015082358655	80 mm
Product Height	**Product Width**
76 mm	70 mm
Product Weight	**Compliances**
0.301 kg	RoHS conform

Powering Business Worldwide

Product specifications

Used with

KLV-TC-4 276241 (Compact enclosure) Z-RC/AK-4TE 101062 (sealing cover set)
PFR3
Type S/A
Residual current relay
KLV-TC-4 276241 (Compact enclosure)
Z-RC/AK-4TE 101062 (sealing cover set)

Type

PFR3
Residual current relay
Type S/A

Special features

Ambient temperature hint:
Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C
Tripping signal contact for subsequent installation Z-NHK 248434

Amperage Rating

25 A

Voltage rating

230 V AC / 400 V AC

Features

Selective protection
Residual current relay
Additional equipment possible

Accessories required

Z-HK 248432

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

Resources

Declarations of conformity

DA-DC-03_PFR

Drawings

eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg

Installation instructions

IL019141ZU

mCAD model

eaton-pfr_4p-3-d-model.stp

eaton-pfr_4p-drawing.dwg

Wiring diagrams

eaton-wiring-diagram-rf7.jpg

eaton-wiring-diagram-rf7_impuls.jpg

eaton-wiring-diagram-rf7_dauer.jpg

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 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.

Frame

45 mm

Frequency rating

50 Hz

Pollution degree

2

Mounting Method

DIN rail

Quick attachment with 2 latch positions on top-hat rail IEC/EN 60715

Climatic proofing

25-55 °C / 90-95% relative humidity according to IEC 60068-2

Rated impulse withstand voltage (Uimp)

4 kV

Rated short-time withstand current (Icw)

10 kA

Built-in width (number of units)

70 mm (4 SU)

Busbar material thickness

0.8 mm - 2 mm

Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

Terminals (top and bottom)

Twin-purpose terminals

Test circuit range

184 V AC - 440 V AC

Ambient operating temperature - max

60 °C

Ambient operating temperature - min

-25 °C

Built-in depth

69.5 mm

Connectable conductor cross section (multi-wired) - max

16 mm²

Connectable conductor cross section (multi-wired) - min

1.5 mm²

Connectable conductor cross section (solid-core) - max

35 mm²

Connectable conductor cross section (solid-core) - min

1.5 mm²

Fault current rating

300 mA

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Permitted storage and transport temperature - max

60 °C

Permitted storage and transport temperature - min

-35 °C

Lifespan, mechanical

20000 operations

Degree of protection

IP20, IP40 with suitable enclosure

IP20

Number of poles

Four-pole

Leakage current type

A

Lifespan, electrical

4000 operations

Sensitivity type

Pulse-current sensitive

Rated fault current - max

0.3 A

Rated fault current - min

0.3 A

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

25 A

Rated operational voltage (Ue) - max

400 V

Surge current capacity

5 kA

Width in number of modular spacings

4

Voltage type

AC

Terminal capacity (solid wire)

1.5 mm² - 35 mm²

Tripping time

40 ms delayed - selective switch off

Rated short-circuit strength

5 kA

Terminal capacity (stranded cable)

16 mm² (2x)

RAL-number

7035

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