Specyfikacje

Eaton 279160



Zdjęcie jest reprezentatywne

Catalog Number: 279160

Eaton Moeller series xEffect - FAZ-PN MCB. FAZ-PN, 1-pole+N, tripping characteristic: C, rated current In: 20 A

General specifications

Product Name
Eaton Moeller series xEffect - FAZ-PN MCB

Catalog Number
279160

EAN
4015082791605

Product Length/Depth
80 mm

Product Height
75.5 mm

Product Width
17.5 mm

Product Weight
0.114 kg

Compliances
RoHS conform

Certifications
IEC/EN 60898
EN45545-2
IEC 61373

Model Code
FAZ-PN-C20/1N

Powering Business Worldwide

Delivery program

Application

Switchgear for industrial and advanced commercial applications
xEffect - Switchgear for industrial and advanced commercial applications

Number of poles

Single-pole + N

Number of poles (total)

2

Number of poles (protected)

1

Tripping characteristic

C

Release characteristic

C

Amperage Rating

20 A

Type

FAZ-PN
Miniature circuit breaker

Technical data - electrical

Voltage type

AC

Voltage rating

240 V AC / 415 V AC

Voltage rating at DC

60 V DC (per pole)

Rated operational voltage (Ue) - max

230 V

Rated insulation voltage (Ui)

440 V

Rated impulse withstand voltage (Uimp)

4 kV

Frequency rating - min

50 Hz

Frequency rating - max

60 Hz

Rated switching capacity (IEC/EN 60947-2)

10 kA

Rated short-circuit breaking capacity (EN 60898) at 230 V

6 kA

Rated short-circuit breaking capacity (EN 60898) at 400 V

6 kA

Rated short-circuit breaking capacity (IEC 60947-2) at 230 V

10 kA

Rated short-circuit breaking capacity (IEC 60947-2) at 400 V

10 kA

Admissible back-up fuse - max

100 A gL/gG

Selectivity class

3

Overvoltage category

III

Pollution degree

2

Lifespan, electrical

4000 operations

Direction of incoming supply

As required

Technical data - mechanical

Frame

45 mm

Enclosure width

80 mm

Width in number of modular spacings

1

Built-in depth

70.5 mm

Mounting width per pole

17.5 mm

Mounting width

17.5 mm

Mounting Method

Top-hat rail IEC/EN 60715

Degree of protection

IP20

IP40 (when fitted)

Terminals (top and bottom)

Twin-purpose terminals

Connectable conductor cross section (solid-core) - min

1 mm²

Connectable conductor cross section (solid-core) - max

25 mm²

Connectable conductor cross section (multi-wired) - min

1 mm²

Connectable conductor cross section (multi-wired) - max

25 mm²

Terminal capacity (control cable)

16 mm² (1x)

Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

Design verification as per IEC/EN 61439 - technical data

Ambient operating temperature - min

Design verification as per IEC/EN 61439

10.2.2 Corrosion resistance

Meets the product standard's requirements.

-25 °C

Ambient operating temperature - max

75 °C

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.

Additional information

Current limiting class

3

Features

Additional equipment possible

Concurrently switching N-neutral

Used with

Miniature circuit breaker

FAZ-PN

Do pobrania

Broszury

Deklaracje zgodności

DA-DC-03_FAZ-PN

DWG

122X047

Mas_FAZ_2

eaton-xeffect-faz-mcb-dimensions-002.jpg

eaton-mcb-xeffect-faz-pn-dimensions.eps

DWG

122I084

eaton-mcb-faz-xeffect-faz-3d-drawing-002.eps

eCAD model

DA-CE-ETN.FAZ-PN-C20_1N

Instrukcje montażu

IL019140ZU

Katalogi

eaton-xeffect-faz-mcb-catalog-ca003028en-en-us.pdf

mCAD model

faz_pn_1pn.stp

eaton-cadenas-path-03-geo-faz_pn_1pn.3db

eaton-cadenas-side_view-faz_pn_1pn_side.pra

eaton-cadenas-front_view-faz_pn_1pn_front.pra

faz_pn_1pn.dwg

Notatki aplikacyjne

eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-

br034006en-en-us.pdf

Schematy połączeń

PLS_1N_2

122S104

eaton-xpole-mmc4-6-m-mcb-wiring-diagram.jpg

eaton-mcb-xeffect-faz-wiring-diagram-005.eps

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

© 2025 Eaton. Wszelkie prawa zastrzeżone.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia