Product specifications

Eaton 239148

Catalog Number: 239148

FAZ6-C16/3. Miniature circuit breaker (MCB), 16 A, 3p, characteristic: C, 6 kA



General specifications

Product Name	Catalog Number
Eaton Moeller series xEffect - FAZ6 MCB	239148
Model Code	**EAN**
FAZ6-C16/3	4015082391485
Product Length/Depth	**Product Height**
85 mm	73 mm
Product Width	**Product Weight**
53.1 mm	0.36 kg

Compliances

CE Marked

RoHS conform

Powering Business Worldwide

Delivery programme

Number of poles (total)

3

Number of poles (protected)

3

Release characteristic

C

Amperage Rating

16 A

Technical data - electrical

Voltage type

AC

Voltage rating (IEC/EN 60898-1)

415 V

Voltage rating (IEC/EN 60947-2)

400

Rated operational voltage (Ue) - max

230 V

Operational voltage (IEC/EN 60947-2) - max

400 V

Operational voltage at DC (EC/EN 60947-2) - max

60 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)

7.5 kA

Rated service short-circuit breaking capacity (IEC/EN 60898-1)

6 kA

Rated service short-circuit breaking 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

Overvoltage category

III

Pollution degree

2

Technical data - mechanical

Width in number of modular spacings

3

Built-in depth

70.5 mm

Degree of protection

IP20

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

Design verification as per IEC/EN 61439 - technical data

Rated operational current for specified heat dissipation (In)

16 A

Equipment heat dissipation, current-dependent

6.9 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

75 °C

Design verification as per IEC/EN 61439

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.

Additional information

Current limiting class

3

Features

Additional equipment possible

Resources

Application notes

eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-br034006en-en-us.pdf

Catalogues

eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf

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

Certification reports

DA-DC-03_FAZ6

Characteristic curve

eaton-xeffect-faz6-mcb-characteristic-curve.jpg

eaton-xeffect-faz6-mcb-characteristic-curve-002.jpg

Drawings

eaton-xeffect-faz-mcb-dimensions-003.jpg

eaton-xeffect-faz6-mcb-3d-drawing-002.jpg

eaton-xeffect-faz6-mcb-3d-drawing-005.jpg

Installation instructions

IL019140ZU

Wiring diagrams

eaton-xpole-mmc4-6-m-mcb-wiring-diagram-005.jpg

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