Product specifications

Eaton 239151

Catalog Number: 239151

FAZ6-C32/3. Miniature circuit breaker (MCB), 32 A, 3p, characteristic: C, 6 kA



General specifications

Product Name	Catalog Number
Eaton Moeller series xEffect - FAZ6 MCB	239151
Model Code	**EAN**
FAZ6-C32/3	4015082391515
Product Length/Depth	**Product Height**
85 mm	73 mm
Product Width	**Product Weight**
53.1 mm	0.36 kg

Compliances

RoHS conform

Powering Business Worldwide

Product specifications

Rated operational current for specified heat dissipation (In)

32 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Voltage rating (IEC/EN 60898-1)

415 V

10.4 Clearances and creepage distances

Meets the product standard's requirements.

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

6 kA

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Current limiting class

3

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

6 kA

Amperage Rating

32 A

10.2.5 Lifting

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

Frequency rating - max

60 Hz

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.8 Connections for external conductors

Is the panel builder's responsibility.

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

10 kA

Number of poles (total)

3

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

10 kA

Ambient operating temperature - max

Resources

Application notes

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

Catalogs

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

eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-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-005.jpg

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

Installation instructions

IL019140ZU

PEP Eco-passport

EATO-00047-V01.01-EN

Wiring diagrams

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

75 °C

Built-in depth

70.5 mm

Features

Additional equipment possible

Connectable conductor cross section (solid-core) - min

1 mm²

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Ambient operating temperature - min

-25 °C

10.6 Incorporation of switching devices and components

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

10.5 Protection against electric shock

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

Equipment heat dissipation, current-dependent

12.1 W

Frequency rating - min

50 Hz

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

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

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.3 Degree of protection of assemblies

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

Voltage rating (IEC/EN 60947-2)

400

Voltage type

AC

Number of poles (protected)

3

Release characteristic

C

Width in number of modular spacings

3

Power loss

11.5 W

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.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Connectable conductor cross section (solid-core) - max

25 mm²

Degree of protection

IP20

Overvoltage category

III

Pollution degree

2

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Connectable conductor cross section (multi-wired) - min

1 mm²

Rated impulse withstand voltage (Uimp)

4 kV

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

400 V

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Rated switching capacity (IEC/EN 60947-2)

7.5 kA

Connectable conductor cross section (multi-wired) - max

25 mm²

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

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

60 V

Rated operational voltage (Ue) - max

230 V

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 insulation voltage (Ui)

440 V

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