

Eaton 102157

Catalog Number: 102157

Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB. FAZ-NA, 2-pole, tripping characteristic: C, rated current In: 0.5 A, Switchgear for export to North America (UL-listed)



Photo is representative

General specifications

Product Name

Eaton Moeller series xEffect - FAZ-NA,
FAZ-RT MCB

Catalog Number

102157

Model Code

FAZ-C0,5/2-NA

EAN

4015081020331

Product Length/Depth

105 mm

Product Height

75.5 mm

Product Width

35.4 mm

Product Weight

0.242 kg

Compliances

RoHS conform

Certifications

CSA Std. C22.2 No. 5
UL 489
UL Listed file E235139
IEC 60947-2
North America (UL listed, CSA certified)
CSA (Class No. 1432-01)
UL 489, CSA C22.2 No. 5
CE marking
UL (Category Control Number DIVQ)
Specially designed for North America,
suitable as BCPD
CSA-C22.2 No. 5-09
IEC/EN 60947-2
CSA (File No. 204453)
UL (File No. E235139)
EN45545-2

Catalog Notes

Positioned for medium inrush startup
currents to provide protection for small
transformers and pilot devices.

Type

FAZ-NA

Miniature circuit breaker

Special features

Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% linear reduction of current carrying capacity

Application

Feeder circuits, branch circuits

Switchgear for export to North America (UL-listed)

Amperage Rating

0.5 A

Voltage rating

277 V AC / 480 V AC

Features

Additional equipment possible

Frame

45 mm

Pollution degree

2

Used with

Miniature circuit breaker
FAZ-NA

Mounting Method

Top-hat rail IEC/EN 60715

Degree of protection

IP20

IP40 (when fitted)

UL/CSA Type: -

IP20 (IEC)

Equipment heat dissipation, current-dependent

0 W

Rated impulse withstand voltage (Uimp)

4 kV

Breaking capacity

Brochures

[eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf](#)

[Loadcenters and Circuit Breakers](#)

[Industrial miniature circuit breakers UL 489](#)

Catalogs

[eaton-xeffect-faz-na-rt-mcb-catalog-ca003032en-en-us.pdf](#)

[Eaton's Volume 4—Circuit Protection](#)

Certification reports

[DA-DC-03_FAZ-NA](#)

[DA-DC-03_FAZ-B-C-D](#)

Characteristic curve

[eaton-xeffect-faz-na,-mcb-3d-drawing-006.jpg](#)

[eaton-xeffect-faz-na,-mcb-characteristic-curve.jpg](#)

[eaton-xeffect-faz-na,-mcb-characteristic-curve-002.jpg](#)

[eaton-mcb-xeffect-faz-na,-characteristic-curve-002.eps](#)

[eaton-xeffect-faz-na,-mcb-dimensions-005.jpg](#)

[eaton-xeffect-faz-na,-mcb-3d-drawing-002.jpg](#)

[eaton-mcb-xeffect-faz-na,-characteristic-curve.eps](#)

Drawings

[eaton-xeffect-faz-na,-mcb-dimensions.jpg](#)

[eaton-mcb-xeffect-faz-na,-3d-drawing-003.eps](#)

eCAD model

[ETN.FAZ-C0,5_2-NA](#)

Installation instructions

[IL019133ZU](#)

mCAD model

[faz_na_2p.dwg](#)

[faz_na_2p.stp](#)

Wiring diagrams

[eaton-xpole-mm4-6-m-mcb-wiring-diagram-003.jpg](#)

[eaton-mcb-xeffect-faz-na,-wiring-diagram-003.eps](#)

10 kA (UL489)

Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

Terminals (top and bottom)

Twin-purpose terminals

Tripping characteristic

C

Ambient operating temperature - max

75 °C

Ambient operating temperature - min

-25 °C

Built-in depth

70.5 mm

Connectable conductor cross section (multi-wired) - max

25 mm²

Connectable conductor cross section (multi-wired) - min

1 mm²

Connectable conductor cross section (solid-core) - max

25 mm²

Connectable conductor cross section (solid-core) - min

1 mm²

Current limiting class

3

Enclosure width

105 mm

Frequency rating - max

60 Hz

Frequency rating - min

50 Hz

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Direction of incoming supply

As required

Width in number of modular spacings

2

Voltage rating (IEC/EN 60947-2)

440 V

Voltage rating (UL)

480Y/277 V

Voltage rating at DC

60 V DC

Voltage type

AC

Mounting position

As required

Overvoltage category

III

Number of poles

Two-pole

Functions

Current limiting circuit breaker

Lifespan, electrical

20000 operations

Release characteristic

C

Mounting width

17.7 mm

Selectivity class

3

Mounting width per pole

17.7 mm

Number of poles (protected)

2

Number of poles (total)

2

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

0.5 A

Rated operational voltage (Ue) - max

415 V

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

0 kA

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

0 kA

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

15 kA

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

15 kA

Rated switching capacity (IEC/EN 60947-2)

15 kA

Static heat dissipation, non-current-dependent

0 W

Tightening torque

UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12

UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8

Max. 2.4 Nm

UL: 4 Nm (36 lb-in) for AWG 6



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