

Eaton 102077

Catalog Number: 102077

Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB. FAZ-NA, 1-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	Catalog Number
Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB	102077
	Model Code
	FAZ-C0,5/1-NA
EAN	Product Length/Depth
4015081019533	105 mm
Product Height	Product Width
75.5 mm	17.7 mm
Product Weight	Compliances
0.12 kg	RoHS conform

Certifications

UL (Category Control Number DIVQ)
CSA (Class No. 1432-01)
IEC 60947-2
UL (File No. E235139)
UL 489
Specially designed for North America,
suitable as BCPD
North America (UL listed, CSA certified)
CE marking
CSA-C22.2 No. 5-09
IEC/EN 60947-2
CSA (File No. 204453)
UL 489, CSA C22.2 No. 5
EN45545-2
IEC 61373

defaultTaxonomyAttributeLabel

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

FAZ-NA
Miniature circuit breaker

Mounting Method

Top-hat rail IEC/EN 60715

Degree of protection

UL/CSA Type: -
IP20 (IEC)
IP20
IP40 (when fitted)

Equipment heat dissipation, current-dependent

0 W

Rated impulse withstand voltage (Uimp)

4 kV

Breaking capacity

Resources

Brochures

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

Catalogs

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

Certification reports

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

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

Drawings

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

eCAD model

[DA-CE-ETN.FAZ-C0,5_1-NA](#)

Installation instructions

[IL019133ZU](#)

mCAD model

[faz_na_1p.stp](#)
[faz_na_1p.dwg](#)

Wiring diagrams

[PLS_1P](#)
[eaton-mcb-xeffect-faz-na,-wiring-diagram.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

1

Voltage rating (IEC/EN 60947-2)

254 V

Voltage rating (UL)

277 V

Voltage rating at DC

60 V DC

Voltage type

AC

Mounting position

As required

Overvoltage category

III

Number of poles

Single-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)

1

Number of poles (total)

1

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

0.5 A

Rated operational voltage (Ue) - max

240 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: 4 Nm (36 lb-in) for AWG 6

Max. 2.4 Nm

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

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



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