

# Eaton 102237

Catalog Number: 102237

Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB. FAZ-NA, 3-pole, tripping characteristic: C, rated current In: 0.5 A, Switchgear for export to North America (UL-listed)



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB	102237
	<b>Model Code</b>
	FAZ-C0,5/3-NA
<b>EAN</b>	<b>Product Length/Depth</b>
4015081021130	105 mm
<b>Product Height</b>	<b>Product Width</b>
75.5 mm	53.1 mm
<b>Product Weight</b>	<b>Compliances</b>
0.363 kg	RoHS conform

## Certifications

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

## Type

FAZ-NA

Miniature circuit breaker

## Special features

Ambient temperature hint: 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

## Mounting Method

Top-hat rail IEC/EN 60715

## Degree of protection

IP40 (when fitted)

IP20

UL/CSA Type: -

IP20 (IEC)

## Equipment heat dissipation, current-dependent

3.5 W

## Rated impulse withstand voltage (Uimp)

4 kV

## Breaking capacity

10 kA (UL489)

## Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

## 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](#)

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

## Characteristic curve

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

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

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

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

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

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

[eaton-xeffect-faz-na-mcb-dimensions-003.jpg](#)

## Drawings

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

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

## eCAD model

[DA-CE-ETN.FAZ-C0,5\\_3-NA](#)

## Installation instructions

[IL019133ZU](#)

## mCAD model

[DA-CS-faz\\_na\\_3p](#)

[DA-CD-faz\\_na\\_3p](#)

## Wiring diagrams

[eaton-xpole-mm4-6-m-mcb-wiring-diagram-005.jpg](#)

[eaton-mcb-xeffect-faz-na-wiring-diagram-002.eps](#)

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 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

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

3

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

Three-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)

3

Number of poles (total)

3

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

Max. 2.4 Nm

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

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



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