

Eaton 278523

Catalog Number: 278523

Eaton Moeller series xEffect - FAZ MCB. FAZ, 1-pole, tripping characteristic: B, rated current In: 2 A



Zdjęcie jest reprezentatywne

General specifications

Product Name	Catalog Number
Eaton Moeller series xEffect - FAZ MCB	278523
EAN	Product Length/Depth
4015082785239	80 mm
Product Height	Product Width
75.5 mm	17.7 mm
Product Weight	Compliances
0.113 kg	UL CSA09 (with supplementary protector only) RoHS conform
Certifications	Catalog Notes
CSA (Class No. 3215-30) CSA (File No. 204453) UL (Category Control Number QVNU2, QVNU8) UL (File No. E177451) CE marking IEC/EN 60947-2 CSA-C22.2 No. 235 UL 1077 North America (UL recognized, CSA certified) IEC/EN 60898 EN45545-2 IEC 61373	For applications that require protection due to potential wiring damage at low fault conditions.
	Model Code
	FAZ-B2/1

Delivery Program

Application

Branch circuits, not as
BCPD
Switchgear for industrial and
advanced commercial
applications
xEffect - Switchgear for
industrial and advanced
commercial applications

Number of poles

Single-pole

Number of poles (total)

1

Number of poles (protected)

1

Tripping characteristic

B

Release characteristic

B

Amperage Rating

2 A

Type

FAZ
Miniature circuit breaker

Technical data - electrical

Voltage type

AC

Voltage rating

240 V AC / 415 V AC

Voltage rating (IEC/EN 60898-1)

240 VAC

Voltage rating (UL)

277 V

Voltage rating (UL CSA 13)

277 V AC; 48 V DC

Rated operational voltage (U_e) - max

230 V

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

254 VAC

Rated insulation voltage (U_i)

440 V

Rated impulse withstand voltage (U_{imp})

4 kV

Frequency rating - min

50 Hz

Frequency rating - max

60 Hz

Rated switching capacity (IEC/EN 60947-2) at max voltage rating

10 kA

Rated switching capacity (IEC/EN 60947-2)

15 kA

Rated switching capacity (IEC/EN 60898-1)

10 kA

Breaking capacity

10 kA (UL1077)

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

7.5 kA

Rated service short-circuit breaking capacity (IEC/EN 60947-2)

7.5 kA

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

10 kA

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

10 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

Overvoltage category

III

Pollution degree

2

Design verification as per IEC/EN 61439 - technical data

Rated operational current for specified heat dissipation (I_n)

2 A

Heat dissipation per pole, current-dependent

0 W

Equipment heat dissipation, current-dependent

1.4 W

Static heat dissipation, non-current-dependent

0 W

Heat dissipation capacity

0 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

75 °C

Technical data - mechanical

Width in number of modular spacings

1

Built-in depth

70.5 mm

Degree of protection

IP20

UL/CSA Type: -

IP20 (IEC)

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

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

Special features

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

Used with

FAZ

Miniature circuit breaker

Do pobrania

Characteristic curve

KL_FAZ_trip_B_C_D

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

Deklaracje zgodności

DWG

Mas_FAZ_1

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

DWG

[eaton-xeffect-faz-mcb-3d-drawing-008.jpg](#)

FAZ_idl_B

122I083

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

[eaton-xeffect-faz-mcb-3d-drawing-007.jpg](#)

FAZ_idl_B_60947

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

FAZ_i2t_B

eCAD model

ETN.FAZ-B2_1

Instrukcje montażu

IL019140ZU

Katalogi

mCAD model

[eaton-faz_mcb_1p-drawing.dwg](#)

eaton-cadenas-side_view-faz_mcb_1p_front.pra
eaton-cadenas-front_view-faz_mcb_1p_front.pra
eaton-cadenas-path-rail_digital_2-faz_mcb_1p.prj
eaton-faz_mcb_1p-3d-model.stp

PEP Eco-passport

EATO-00047-V01.01-EN

Schematy połączeń

eaton-xpole-mmc4-6-m-mcb-wiring-diagram-002.jpg
eaton-mcb-xeffect-faz-wiring-diagram.eps
122S100



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