Specifications

Eaton 115375

Catalog Number: 115375

Eaton Moeller series xEffect - FAZ MCB. Miniature circuit breaker (MCB), 63 A, 3p, characteristic: D



Photo is representative

General specifications

Product Name	Catalog Number
Eaton Moeller series xEffect - FAZ MCB	115375
Model Code	**EAN**
FAZ-D63/3	4015081147755
Product Length/Depth	**Product Height**
80 mm	75.5 mm
Product Width	**Product Weight**
54 mm	0.369 kg

Compliances	Certifications
UL CSA09 (with supplementary protector only)	CE marking
RoHS conform	CSA (Class No. 3215-30)
	UL (File No. E177451)
	IEC/EN 60898
	North America (UL recognized, CSA certified)
	CSA-C22.2 No. 235
	IEC/EN 60947-2
	UL 1077
	UL (Category Control Number QVNU2, QVNU8)
	CSA (File No. 204453)
	EN45545-2
	IEC 61373

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Product specifications

Used with

Miniature circuit breaker
FAZ

Type

FAZ
Miniature circuit breaker

Special features

Ambient temperature hint: Starting at 70 °C a 1 °C increase results in a 0.5% linear reduction of current carrying capacity

Application

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

Amperage Rating

63 A

Voltage rating

240 V AC / 415 V AC

Features

Additional equipment possible

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.

Resources

Catalogs

eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf

Characteristic curve

KL_FAZ_trip_B_C_D

eaton-xeffect-faz-mcb-characteristic-curve.jpg

Declarations of conformity

DA-DC-03_FAZ-DU

DA-DC-03_FAZ-B-C-D

Drawings

eaton-xeffect-faz-mcb-dimensions-003.jpg

Mas_FAZ_3

Drawings

FAZ_idl_D_60947

122I085

eaton-mcb-faz-xeffect-faz-3d-drawing-003.eps

FAZ_idl_D

FAZ_i2t_D

eaton-xeffect-faz-mcb-3d-drawing-011.jpg

eaton-xeffect-faz-mcb-3d-drawing-003.jpg

eaton-xeffect-faz-mcb-3d-drawing-012.jpg

eCAD model

DA-CE-ETN.FAZ-D63_3

Installation instructions

IL019140ZU

mCAD model

eaton-cadenas-path-rail_digital_2-faz_mcb_3p.3db

eaton-faz_mcb_3p-3d-model.stp

eaton-cadenas-side_view-faz_mcb_3p_side.pra

eaton-cadenas-front_view-faz_mcb_3p_front.pra

eaton-faz_mcb_3p-drawing.dwg

PEP Eco-passport

EATO-00047-V01.01-EN

Wiring diagrams

PLS_3P

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

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.

Pollution degree

2

Degree of protection

IP20

UL/CSA Type: -

IP20 (IEC)

Equipment heat dissipation, current-dependent

20.4 W

Rated impulse withstand voltage (Uimp)

4 kV

Tripping characteristic

D

Voltage rating (UL CSA 13)

480 Y/277 V AC

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

Frequency rating - max

60 Hz

Frequency rating - min

50 Hz

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Width in number of modular spacings

3

Voltage type

AC

Overvoltage category

III

Number of poles

Three-pole

Release characteristic

D

Number of poles (protected)

3

Number of poles (total)

3

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

63 A

Rated operational voltage (Ue) - max

400 V

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

6 kA

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

6 kA

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

10 kA

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

10 kA

Rated switching capacity (IEC/EN 60947-2)

10 kA

Static heat dissipation, non-current-dependent

0 W

Power loss

16.6 W



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