

Specifications



Photo is representative

Eaton 239222

FAZ6-C40/4. Miniature circuit breaker (MCB), 40 A, 4p, characteristic: C, 6 kA

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ6 MCB
CATALOG NUMBER	239222
MODEL CODE	FAZ6-C40/4
EAN	4015082392222
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	70.8 mm
PRODUCT WEIGHT	0.48 kg
COMPLIANCES	CE Marked RoHS conform

Delivery programme

NUMBER OF POLES (TOTAL)	4
NUMBER OF POLES (PROTECTED)	4
RELEASE CHARACTERISTIC	C
AMPERAGE RATING	40 A

Technical data - electrical

VOLTAGE TYPE	AC
VOLTAGE RATING (IEC/EN 60898-1)	415 V
VOLTAGE RATING (IEC/EN 60947-2)	400
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX	400 V
OPERATIONAL VOLTAGE AT DC (IEC/EN 60947-2) - MAX	60 V
RATED INSULATION VOLTAGE (UI)	440 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
FREQUENCY RATING - MIN	50 Hz
FREQUENCY RATING - MAX	60 Hz
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	7.5 kA
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)	6 kA
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60947-2)	10 kA
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
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2

Technical data - mechanical

**WIDTH IN NUMBER OF
MODULAR SPACINGS** 4

BUILT-IN DEPTH 70.5 mm

DEGREE OF PROTECTION IP20

**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 - technical data

**RATED OPERATIONAL
CURRENT FOR SPECIFIED
HEAT DISSIPATION (IN)** 40 A

**EQUIPMENT HEAT
DISSIPATION, CURRENT-
DEPENDENT** 13.6 W

**AMBIENT OPERATING
TEMPERATURE - MIN** -25 °C

**AMBIENT OPERATING
TEMPERATURE - MAX** 75 °C

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	Is the panel builder's responsibility.

Additional information

CURRENT LIMITING CLASS	3
FEATURES	Additional equipment possible

INSULATING MATERIAL

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

APPLICATION NOTES

[eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-br034006en-en-us.pdf](#)

CATALOGUES

[eaton-xeffect-faz-mcb-catalog-ca003028en-en-us.pdf](#)

[eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf](#)

CHARACTERISTIC CURVE

[eaton-xeffect-faz6-mcb-characteristic-curve.jpg](#)

[eaton-xeffect-faz6-mcb-characteristic-curve-002.jpg](#)

DECLARATIONS OF CONFORMITY

[eaton-mcb-declaration-of-conformity-eu250396en.pdf](#)

DRAWINGS

[eaton-xeffect-faz-mcb-dimensions-004.jpg](#)

INSTALLATION INSTRUCTIONS

[eaton-rccb-rcbo-g9-il019140zu.pdf](#)

MCAD MODEL

[faz_3pn_4p.dwg](#)

[faz_3pn_4p.stp](#)

PEP ECO-PASSPORT

[EATO-00047-V01.01-EN](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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