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Eaton 279154

Eaton Moeller series xEffect - FAZ-PN MCB.
FAZ-PN, 1-pole+N, tripping characteristic: C,
rated current In: 2 A

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-PN MCB
CATALOG NUMBER	279154
EAN	4015082791544
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.115 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60898 EN45545-2 IEC 61373
MODEL CODE	FAZ-PN-C2/1N

Portfolio

APPLICATION

- Switchgear for industrial and advanced commercial applications
- xEffect - Switchgear for industrial and advanced commercial applications

NUMBER OF POLES Single-pole + N

NUMBER OF POLES (TOTAL) 2

NUMBER OF POLES (PROTECTED) 1

TRIPPING CHARACTERISTIC C

RELEASE CHARACTERISTIC C

AMPERAGE RATING 2 A

TYPE

- FAZ-PN
- Miniature circuit breaker

Technické údaje – elektrické

VOLTAGE TYPE AC

VOLTAGE RATING 240 V AC / 415 V AC

VOLTAGE RATING AT DC 60 V DC (per pole)

RATED OPERATIONAL VOLTAGE (UE) - MAX 230 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) 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

ADMISSIBLE BACK-UP FUSE - MAX 100 A gL/gG

SELECTIVITY CLASS 3

OVERVOLTAGE CATEGORY III

POLLUTION DEGREE 2

LIFESPAN, ELECTRICAL 4000 operations

DIRECTION OF INCOMING SUPPLY As required

Technické údaje – mechanické

FRAME	45 mm
ENCLOSURE WIDTH	80 mm
WIDTH IN NUMBER OF MODULAR SPACINGS	1
BUILT-IN DEPTH	70.5 mm
MOUNTING WIDTH PER POLE	17.5 mm
MOUNTING WIDTH	17.5 mm
MOUNTING METHOD	Top-hat rail IEC/EN 60715
DEGREE OF PROTECTION	IP20 IP40 (when fitted)
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
TERMINAL CAPACITY (CONTROL CABLE)	16 mm ² (1x)
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274

Ověření návrhu podle ČSN EN 61439 – technické údaje

AMBIENT OPERATING TEMPERATURE - MIN -25 °C

AMBIENT OPERATING TEMPERATURE - MAX 75 °C

Ověření návrhu podle ČSN 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.

Další informace

CURRENT LIMITING CLASS	3
FEATURES	Concurrently switching N-neutral Additional equipment possible
USED WITH	FAZ-PN Miniature circuit breaker

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.

Zdroje

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

DECLARATIONS OF CONFORMITY [DA-DC-03 FAZ-PN](#)

ECAD MODEL [DA-CE-ETN.FAZ-PN-C2 1N](#)

INSTALAČNÍ NÁVODY [eaton-pdd-rcbo-mcb-installations-il019140zu.pdf](#)

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

MCAD MODEL [faz_pn_1pn.dwg](#)
[faz_pn_1pn.stp](#)

SCHÉMATA ZAPOJENÍ [eaton-mcb-xeffect-faz-wiring-diagram-005.eps](#)
[eaton-xpole-mmc4-6-m-mcb-wiring-diagram.jpg](#)

VÝKRESY [eaton-xeffect-faz-mcb-dimensions-002.jpg](#)
[eaton-mcb-xeffect-faz-pn-dimensions.eps](#)
[eaton-mcb-faz-xeffect-faz-3d-drawing-002.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATUM:



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