

Eaton 279146

Eaton Moeller series xEffect - FAZ-PN MCB.
FAZ-PN, 1-pole+N, tripping characteristic: B,
rated current In: 6 A

Obečné specifikace

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-PN MCB
CATALOG NUMBER	279146
EAN	4015082791469
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.111 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60898 EN45545-2 IEC 61373
MODEL CODE	FAZ-PN-B6/1N

Další informace

CURRENT LIMITING CLASS

3

FEATURES

Additional equipment possible
Concurrently switching N-neutral

USED WITH

FAZ-PN
Miniature circuit breaker

Program dodání

AMPERAGE RATING

6 A

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 (PROTECTED)

1

NUMBER OF POLES (TOTAL)

2

RELEASE CHARACTERISTIC

B

TRIPPING CHARACTERISTIC

B

TYPE

- FAZ-PN
- Miniature circuit breaker

Ověření návrhu podle ČSN EN 61439

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.
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	Does not apply, since the

Ověření návrhu podle ČSN EN 61439 – technické údaje

AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C

AGAINST ELECTRIC SHOCK	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.

Technical data - electrical

ADMISSIBLE BACK-UP FUSE - MAX	100 A gL/gG
DIRECTION OF INCOMING SUPPLY	As required
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
LIFESPAN, ELECTRICAL	4000 operations
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V	10 kA
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	10 kA
SELECTIVITY CLASS	3
VOLTAGE RATING	240 V AC / 415 V AC
VOLTAGE RATING AT DC	60 V DC (per pole)
VOLTAGE TYPE	AC

Technical data - mechanical

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

Zdroje

APLIKAČNÍ POZNÁMKY	eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-br034006en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-uk251439en.pdf eaton-mcb-declaration-of-conformity-eu250397en.pdf
ECAD MODEL	DA-CE-ETN.FAZ-PN-B6_1N
INSTALAČNÍ NÁVODY	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
KATALOGY	eaton-xeffect-faz-mcb-catalog-ca003028en-en-us.pdf
MCAD MODEL	faz_pn_1pn.stp eaton-non-selective-mcb-mcad-drawings-faz-pn-1pn.dwg
SCHÉMATA ZAPOJENÍ	eaton-xpole-mmc4-6-m-mcb-wiring-diagram.jpg eaton-mcb-xeffect-faz-wiring-diagram-005.eps
VÝKRESY	eaton-xeffect-faz-mcb-dimensions-002.jpg eaton-mcb-xeffect-faz-pn-dimensions.eps eaton-mcb-faz-xeffect-faz-3d-drawing-002.eps

NÁZEV PROJEKTU:

ČÍSLO PROJEKTU:

PŘIPRAVIL:

DATUM:



Eaton Corporation Plc. Eaton House
30 Pembroke Road
Dublin 4, Irsko
Eaton.com

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