

Foto je ilustrační

Eaton 278973

Eaton Moeller series xEffect - FAZ MCB. FAZ, 3-pole+N, tripping characteristic: C, rated current In: 13 A

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ MCB
CATALOG NUMBER	278973
EAN	4015082789732
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	72 mm
PRODUCT WEIGHT	0.423 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60898 IEC/EN 60947-2 EN45545-2 IEC 61373
MODEL CODE	FAZ-C13/3N

Delivery program

APPLICATION

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

NUMBER OF POLES Three-pole + N

NUMBER OF POLES (TOTAL) 4

NUMBER OF POLES (PROTECTED) 3

TRIPPING CHARACTERISTIC C

RELEASE CHARACTERISTIC C

AMPERAGE RATING 13 A

TYPE

- FAZ
- Miniature circuit breaker

Technical Data - Electrical

VOLTAGE TYPE AC

VOLTAGE RATING 240 V AC / 415 V AC

VOLTAGE RATING AT DC 60 V DC (per pole)

VOLTAGE RATING (IEC/EN 60898-1) 415 VAC

VOLTAGE RATING (UL) 480Y/277 V

RATED OPERATIONAL VOLTAGE (UE) - MAX 400 V

OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX 440 VAC

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) AT MAX VOLTAGE RATING 10 kA

RATED SWITCHING CAPACITY (IEC/EN 60947-2) 15 kA

RATED SWITCHING CAPACITY (IEC/EN 60898-1) 10 kA

OPERATIONAL SWITCHING CAPACITY 7.5 kA

BREAKING CAPACITY 10 kA (UL1077)

ADMISSIBLE BACK-UP FUSE - MAX 125 A gL/gG

SELECTIVITY CLASS 3

LIFESPAN, ELECTRICAL 10000 operations

OVERVOLTAGE CATEGORY III

POLLUTION DEGREE 2

DIRECTION OF INCOMING SUPPLY As required

Technical Data - Mechanical

FRAME	45 mm
ENCLOSURE WIDTH	80 mm
WIDTH IN NUMBER OF MODULAR SPACINGS	4
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
MOUNTING POSITION	As required
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 OF SCREW TERMINALS FOR MAIN CABLE	10 mm ² (2x)
TERMINAL CAPACITY (CONTROL CABLE)	25 mm ² (1x)
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm

Design verification as per IEC/EN 61439 - technical data

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 13 A

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT 0 W

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT 8.1 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

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

Additional information

CURRENT LIMITING CLASS	3
FEATURES	Concurrently switching N-neutral 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

	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

DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-eu250395en.pdf
	eaton-mcb-declaration-of-conformity-uk251436en.pdf
ECAD MODEL	DA-CE-ETN.FAZ-C13_3N
CHARACTERISTIC CURVE	eaton-mcb-current-xeffect-faz-characteristic-curve.eps
	eaton-mcb-xeffect-faz-characteristic-curve-002.eps
	eaton-mcb-tripping-characteristic-xeffect-faz-characteristic-curve-002.eps
	eaton-mcb-current-xeffect-faz-characteristic-curve-002.eps
	eaton-xeffect-faz-mcb-characteristic-curve.jpg eaton-mcb-xeffect-faz-characteristic-curve.eps
INSTALAČNÍ NÁVODY	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	eaton-non-selective-universal-mcb-mcad-drawings-faz-pls-3pn-4p.dwg
	faz_3pn_4p.stp
SCHÉMATA ZAPOJENÍ	eaton-mcb-xeffect-faz-wiring-diagram-006.eps
	eaton-xpole-mmc4-6-m-mcb-wiring-diagram-004.jpg
VÝKRESY	eaton-xeffect-faz-mcb-dimensions-004.jpg
	eaton-mcb-xeffect-faz-dimensions-004.eps
	eaton-xeffect-faz-mcb-3d-drawing-009.jpg
	eaton-xeffect-faz-mcb-3d-drawing-010.jpg
	eaton-mcb-faz-xeffect-faz-3d-drawing-004.eps

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

NÁZEV PROJEKTU:

ČÍSLO PROJEKTU:

PŘIPRAVIL:

DATUM:



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