

Especificaciones



La foto es representativa



Eaton 102081

Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB. FAZ-NA, 1-pole, tripping characteristic: C, rated current In: 3 A, Switchgear for export to North America (UL-listed)

Especificaciones generales

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
CATALOG NUMBER	102081
EAN	4015081019571
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.7 mm
PRODUCT WEIGHT	0.123 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	Specially designed for North America, suitable as BCPD CSA (Class No. 1432-01) UL (File No. E235139) UL 489, CSA C22.2 No. 5 IEC 60947-2 UL 489 North America (UL listed, CSA certified) UL (Category Control Number DIVQ) CSA (File No. 204453) CE marking CSA-C22.2 No. 5-09 IEC/EN 60947-2 EN45545-2 IEC 61373
MODEL CODE	FAZ-C3/1-NA



Powering Business Worldwide

Información adicional

CURRENT LIMITING CLASS 3

FEATURES Additional equipment possible

FUNCTIONS Current limiting circuit breaker

SPECIAL FEATURES Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity

USED WITH FAZ-NA
Miniature circuit breaker

Programa de entrega

AMPERAGE RATING 3 A

APPLICATION

- Feeder circuits, branch circuits
- Switchgear for export to North America (UL-listed)

NUMBER OF POLES Single-pole

NUMBER OF POLES (PROTECTED) 1

NUMBER OF POLES (TOTAL) 1

RELEASE CHARACTERISTIC C

TRIPPING CHARACTERISTIC C

TYPE

- FAZ-NA
- Miniature circuit breaker

Verificación del diseño según la norma IEC/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.

Verificación del diseño según la norma IEC/EN 61439 - datos técnicos

AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	1.2 W
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	3 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W

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.

Technical data - electrical

BREAKING CAPACITY	10 kA (UL489)
DIRECTION OF INCOMING SUPPLY	As required
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
LIFESPAN, ELECTRICAL	20000 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	240 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	15 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V	15 kA
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	15 kA
SELECTIVITY CLASS	3
VOLTAGE RATING	277 V AC / 480 V AC
VOLTAGE RATING (IEC/EN 60947-2)	254 V
VOLTAGE RATING (UL)	277 V
VOLTAGE RATING AT DC	60 V DC
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 (IEC) UL/CSA Type: - IP20
ENCLOSURE WIDTH	105 mm
FRAME	45 mm
MOUNTING METHOD	Top-hat rail IEC/EN 60715
MOUNTING POSITION	As required
MOUNTING WIDTH	17.7 mm
MOUNTING WIDTH PER POLE	17.7 mm
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
TIGHTENING TORQUE	Max. 2.4 Nm UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 4 Nm (36 lb-in) for AWG 6 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8
WIDTH IN NUMBER OF MODULAR SPACINGS	1

Recursos

DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-uk251433en.pdf eaton-mcb-declaration-of-conformity-eu250394en.pdf
DIBUJOS	eaton-xeffect-faz-na-mcb-dimensions.jpg eaton-mcb-xeffect-faz-na-3d-drawing.eps
ECAD MODEL	ETN.FAZ-C3_1-NA
ESQUEMAS ELÉCTRICOS	eaton-xpole-mmc4-6-mcb-wiring-diagram-002.jpg
MCAD MODEL	eaton-non-selective-universal-mcb-mcad-3d-models-faz-na-rt-1p.stp eaton-non-selective-mcb-mcad-drawings-faz-na-1p.dwg

NOMBRE DE PROYECTO:

NÚMERO DE PROYECTO:

PREPARADO POR:

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