

Specifications



Photo is representative

Eaton 240890

Eaton Moeller series xEffect - FAZ-T MCB. FAZ-T, 3-pole, tripping characteristic: C, rated current In: 6 A

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-T MCB
CATALOG NUMBER	240890
MODEL CODE	FAZT-C6/3
EAN	4015082408909
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	54 mm
PRODUCT WEIGHT	0.33 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60947-2 EN45545-2 IEC 61373
GLOBAL CATALOG	240890

Product specifications

USED WITH	Miniature circuit breaker FAZ-T
AMPERAGE RATING	6 A
FEATURES	Additional equipment possible
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.

Resources

BROCHURES	eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf
CATALOGS	eaton-xeffect-faz-t-mcb-catalog-ca003035en-en-us.pdf
CHARACTERISTIC CURVE	eaton-mcb-characteristic-xeffect-faz-t-characteristic-curve.eps eaton-xeffect-faz-mcb-characteristic-curve.jpg
DECLARATIONS OF CONFORMITY	DA-DC-03_FAZT
DRAWINGS	eaton-xeffect-faz-mcb-dimensions-003.jpg eaton-mcb-xeffect-faz-t-dimensions.eps eaton-xeffect-faz-t-mcb-3d-drawing-003.jpg eaton-xeffect-faz-t-mcb-3d-drawing.jpg eaton-mcb-faz-xeffect-faz-3d-drawing-003.eps eaton-xeffect-faz-t-mcb-3d-drawing-006.jpg
ECAD MODEL	DA-CE-ETN.FAZT-C6_3
INSTALLATION INSTRUCTIONS	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	faz_3p.dwg faz_3p.stp
PEP ECO-PASSPORT	EATO-00047-V01.01-EN
WIRING DIAGRAMS	eaton-mcb-xeffect-faz-wiring-diagram-003.eps eaton-xpole-mmc4-6-mcb-wiring-diagram-005.jpg

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.
FRAME	45 mm
FREQUENCY RATING	50 Hz / 60 Hz
POLLUTION DEGREE	2
MOUNTING METHOD	Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
DEGREE OF PROTECTION	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	4.4 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
BUSBAR MATERIAL THICKNESS	0.8 mm (except N 0.5 SU)
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
TRIPPING CHARACTERISTIC	C
AMBIENT OPERATING	75 °C

TEMPERATURE - MAX	
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	70.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
CURRENT LIMITING CLASS	25 mm ²
ENCLOSURE WIDTH	3
FREQUENCY RATING - MAX	80 mm
FREQUENCY RATING - MIN	60 Hz
HEAT DISSIPATION CAPACITY	50 Hz
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
DIRECTION OF INCOMING SUPPLY	0 W
VOLTAGE RATING (IEC/EN 60898-1)	As required
WIDTH IN NUMBER OF MODULAR SPACINGS	400 VAC
VOLTAGE RATING (IEC/EN 60947-2)	3
VOLTAGE TYPE	440 V
MOUNTING POSITION	AC
LIFESPAN, MECHANICAL	As required
OVERVOLTAGE CATEGORY	10000 operations
NUMBER OF POLES	III
LIFESPAN, ELECTRICAL	Three-pole
LIFESPAN, ELECTRICAL	4000 operations

RELEASE CHARACTERISTIC	C
TYPE	<ul style="list-style-type: none"> • FAZ-T • Miniature circuit breaker
SPECIAL FEATURES	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
APPLICATION	<ul style="list-style-type: none"> • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear for industrial and advanced commercial applications
MOUNTING WIDTH	17.5 mm
MOUNTING WIDTH PER POLE	17.5 mm
NUMBER OF POLES (PROTECTED)	3
NUMBER OF POLES (TOTAL)	3
OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX	440 VAC
OPERATIONAL VOLTAGE AT DC (EC/EN 60947-2) - MAX	60 VDC
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	440 V
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)	7.5 kA
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60947-2)	12.5 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN	15 kA

60898) AT 230 V

RATED SHORT-CIRCUIT

BREAKING CAPACITY (EN 15 kA

60898) AT 400 V

RATED SHORT-CIRCUIT

BREAKING CAPACITY (IEC 25 kA

60947-2) AT 230 V

RATED SHORT-CIRCUIT

BREAKING CAPACITY (IEC 25 kA

60947-2) AT 400 V

RATED SWITCHING

CAPACITY (IEC/EN 60898- 15 kA

1)

RATED SWITCHING

CAPACITY (IEC/EN 60947- 25 kA

2)

RATED SWITCHING

CAPACITY (IEC/EN 60947- 25 kA

2) AT MAX VOLTAGE

RATING

STATIC HEAT

DISSIPATION, NON- 0 W

CURRENT-DEPENDENT

TERMINAL CAPACITY 1 mm² - 25 mm²

TIGHTENING TORQUE Max. 2.4 Nm

POWER LOSS 4.4 W

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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