Specyfikacje

Eaton 279126

Eaton Moeller series xEffect - FAZ-DC MCB. FAZ-DC, 1-pole, tripping characteristic: C, rated current In: 10 A, Switchgear for DC applications

General specifications	
PRODUCT NAME	Eaton Moeller series xEffect - FAZ-DC MCB
CATALOG NUMBER	279126
EAN	4015082791261
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.7 mm
PRODUCT WEIGHT	0.11 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60947-2 EN45545-2 IEC 61373
MODEL CODE	FAZ-C10/1-DC

Powering Business Worldwide

Delivery program

APPLICATION	Switchgear for DC applications
NUMBER OF POLES	Single-pole
NUMBER OF POLES (TOTAL)	1
NUMBER OF POLES (PROTECTED)	1
TRIPPING CHARACTERISTIC	C
RELEASE CHARACTERISTIC	C
AMPERAGE RATING	10 A
TYPE	• FAZ-DC • Miniature circuit breaker

Technical Data - Electrical

VOLTAGE TYPE	DC
VOLTAGE RATING AT DC	250 V DC (per pole)
RATED OPERATIONAL VOLTAGE (UE) - MAX	250 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
ADMISSIBLE BACK-UP FUSE - MAX	100 A gL/gG
SELECTIVITY CLASS	3
LIFESPAN, ELECTRICAL	10000 operations
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
DIRECTION OF INCOMING SUPPLY	Polarity dependent

Technical Data - Mechanical

FRAME	45 mm
ENCLOSURE WIDTH	80 mm
WIDTH IN NUMBER OF MODULAR SPACINGS	1
BUILT-IN DEPTH	70.5 mm
MOUNTING WIDTH	17.5 mm
MOUNTING WIDTH PER POLE	17.5 mm
MOUNTING METHOD	Top-hat rail IEC/EN 60715
MOUNTING POSITION	As required
DEGREE OF PROTECTION	IP40 (when fitted) IP20
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm²
TERMINAL CAPACITY OF SCREW TERMINALS FOR MAIN CABLE	10 mm² (2x)
TERMINAL CAPACITY (CONTROL CABLE)	25 mm² (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)	10 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	1.5 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	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-DC 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.

Do pobrania

CHARACTERISTIC CURVE	eaton-xeffect-faz-dc-mcb-characteristic-curve-002.jpg eaton-xeffect-faz-dc-mcb-characteristic-curve.jpg
DEKLARACJE ZGODNOŚCI	eaton-mcb-declaration-of-conformity-eu250393en.pdf
INSTRUKCJE MONTAŻU	eaton-rccb-rcbo-g9-il019140zu.pdf
KATALOGI	eaton-xeffect-faz-dc-mcb-catalog-ca003030en-en-us.pdf
MODELE ECAD	DA-CE-ETN.FAZ-C10_1-DC
MODELE MCAD	faz_1p.stp eaton-non-selective-universal-mcb-mcad-drawings-faz-pls-1p.dwg
RYSUNKI	eaton-mcb-xeffect-faz-dimensions.eps eaton-xeffect-faz-dc-mcb-dimensions.jpg eaton-mcb-faz-xeffect-faz-3d-drawing.eps
SCHEMATY POŁĄCZEŃ	eaton-xeffect-faz-dc-mcb-wiring-diagram.jpg eaton-mcb-xeffect-faz-dc-wiring-diagram.eps

NAZWA PROJEKTU:	
NUMER PROJEKTU:	
PRZYGOTOWANE PRZEZ:	
DATA:	

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Najnowsze informacje o produktach i wsparciu znajdują się na naszych mediach społecznościowych.