Specyfikacje

Eaton 279156

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

General specifications	
PRODUCT NAME	Eaton Moeller series xEffect - FAZ-PN MCB
CATALOG NUMBER	279156
EAN	4015082791568
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-C6/1N

Delivery program

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 (TOTAL)	2
NUMBER OF POLES (PROTECTED)	1
TRIPPING CHARACTERISTIC	C
RELEASE CHARACTERISTIC	C
AMPERAGE RATING	6 A
TYPE	• FAZ-PN • 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)
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 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
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
ADMISSIBLE BACK-UP FUSE - MAX	100 A gL/gG
SELECTIVITY CLASS	3
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
LIFESPAN, ELECTRICAL	4000 operations
DIRECTION OF INCOMING SUPPLY	As required

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 PER POLE	17.5 mm
MOUNTING WIDTH	17.5 mm
MOUNTING METHOD	Top-hat rail IEC/EN 60715
DEGREE OF PROTECTION	IP20 IP40 (when fitted)
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 (CONTROL CABLE)	16 mm² (1x)
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274

Design verification as per IEC/EN 61439 - technical data

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
USED WITH	Miniature circuit breaker FAZ-PN

	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

DEKLARACJE ZGODNOŚCI	eaton-mcb-declaration-of-conformity-eu250397en.pdf
INSTRUKCJE MONTAŻU	eaton-rccb-rcbo-g9-il019140zu.pdf
KATALOGI	eaton-xeffect-faz-mcb-catalog-ca003028en-en-us.pdf
MODELE ECAD	DA-CE-ETN.FAZ-PN-C6_1N
MODELE MCAD	faz_pn_1pn.dwg faz_pn_1pn.stp
NOTATKI APLIKACYJNE	eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-br034006en-en-us.pdf
RYSUNKI	eaton-xeffect-faz-mcb-dimensions-002.jpg eaton-mcb-xeffect-faz-pn-dimensions.eps eaton-mcb-faz-xeffect-faz-3d-drawing-002.eps
SCHEMATY POŁĄCZEŃ	eaton-mcb-xeffect-faz-wiring-diagram-005.eps eaton-xpole-mmc4-6-m-mcb-wiring-diagram.jpg

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATA:	

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