

Specifications

Eaton 279154

Eaton Moeller series xEffect - FAZ-PN MCB.
FAZ-PN, 1-pole+N, tripping characteristic: C,
rated current In: 2 A

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-PN MCB
CATALOG NUMBER	279154
MODEL CODE	FAZ-PN-C2/1N
EAN	4015082791544
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.115 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60898 EN45545-2 IEC 61373
GLOBAL CATALOG	279154



Powering Business Worldwide

Product specifications

USED WITH	FAZ-PN Miniature circuit breaker
AMPERAGE RATING	2 A
VOLTAGE RATING	240 V AC / 415 V AC
FEATURES	Concurrently switching N-neutral 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

APPLICATION NOTES	eaton-maximum-cable-lengths-for-eatons-protective-devices-brochure-br034006en-en-us.pdf
BROCHURES	eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf
CATALOGS	eaton-xeffect-faz-mcb-catalog-ca003028en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-eu250397en.pdf
DRAWINGS	eaton-mcb-xeffect-faz-pn-dimensions.eps eaton-xeffect-faz-mcb-dimensions-002.jpg eaton-mcb-faz-xeffect-faz-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.FAZ-PN-C2_1N
INSTALLATION INSTRUCTIONS	eaton-rccb-rcho-g9-il019140zu.pdf
MCAD MODEL	faz_pn_1pn.stp faz_pn_1pn.dwg
WIRING DIAGRAMS	eaton-xpole-mmc4-6-mcb-wiring-diagram.jpg eaton-mcb-xeffect-faz-wiring-diagram-005.eps

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
POLLUTION DEGREE	2
MOUNTING METHOD	Top-hat rail IEC/EN 60715
DEGREE OF PROTECTION	IP20 IP40 (when fitted)
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
ADMISSIBLE BACK-UP FUSE - MAX	100 A gL/gG
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
TRIPPING CHARACTERISTIC	C
AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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
CURRENT LIMITING CLASS	3
ENCLOSURE WIDTH	80 mm
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
DIRECTION OF INCOMING SUPPLY	As required
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE RATING AT DC	60 V DC (per pole)
VOLTAGE TYPE	AC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole + N
LIFESPAN, ELECTRICAL	4000 operations
RELEASE CHARACTERISTIC	C
TYPE	<ul style="list-style-type: none"> • FAZ-PN • Miniature circuit breaker
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
SELECTIVITY CLASS	3
MOUNTING WIDTH PER POLE	17.5 mm

NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
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
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	10 kA
TERMINAL CAPACITY (CONTROL CABLE)	16 mm ² (1x)
POWER LOSS	1.4 W

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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