

Eaton 120649

Eaton Moeller series xEffect - FAZ-NA-DC MCB. Miniature circuit breaker (MCB), 35 A, 2p, characteristic: C, DC

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PRODUCT NAME	Eaton Moeller series xEffect - FAZ-NA-DC MCB
CATALOG NUMBER	120649
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	35.4 mm
PRODUCT WEIGHT	0.254 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC 60947-2 UL 489, CSA C22.2 No. 5 EN45545-2 IEC 61373



	FAZ-DC
USED WITH	Miniature circuit breaker
AMPERAGE RATING	35 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.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF	Does not apply, since the

CHARACTERISTIC CURVE	eaton-xeffect-faz-na-dc- mcb-characteristic- curve.jpg
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ASSEMBLIES be evaluated. 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC BHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-REQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE MITSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF NSULATING MATERIAL 10.9.1 INTERNAL OF SINCE OF SIN	DROTECTION OF	entire switchgear peeds to
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AGAINST ELECTRIC SHOCK BOOK	10.4 CLEARANCES AND CREEPAGE DISTANCES	-
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Is the panel builder's responsibility. Is the	10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	entire switchgear needs to
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MITHSTAND VOLTAGE (UIMP) TRIPPING CHARACTERISTIC AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN SUILT-IN DEPTH CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MAX CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	7.4 W
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TEMPERATURE - MIN BUILT-IN DEPTH CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MAX CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	AMBIENT OPERATING TEMPERATURE - MAX	75 °C
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MAX CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
CONDUCTOR CROSS SECTION (MULTI-WIRED) MAX CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	BUILT-IN DEPTH	70.5 mm
CONDUCTOR CROSS SECTION (MULTI-WIRED) MIN CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm²
CONDUCTOR CROSS SECTION (SOLID-CORE) - 25 mm ² MAX	CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm²
CONNECTABLE 1 mm ²	CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm²
	CONNECTABLE	1 mm ²

CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
WIDTH IN NUMBER OF MODULAR SPACINGS	2
VOLTAGE RATING AT DC	500 V DC
VOLTAGE TYPE	DC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Two-pole
RELEASE CHARACTERISTIC	С
ТҮРЕ	FAZ-DCMiniature circuit breaker
SPECIAL FEATURES	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
APPLICATION	Switchgear for export to North America (UL-listed)
NUMBER OF POLES (PROTECTED)	2
NUMBER OF POLES (TOTAL)	2
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	35 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	250 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	0 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY	0 kA

(IEC/EN 60898-1)- ICN AT 400 V

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC

10 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC

60947-2)- ICU AT 230 V

10 kA

60947-2)- ICU AT 400 V

RATED SWITCHING

CAPACITY (IEC/EN 60947-

10 kA

2)

STATIC HEAT

POWER LOSS

DISSIPATION, NON-

0 W

CURRENT-DEPENDENT

2.8 W

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