

Miniature circuit breaker (MCB), 2 A, 1p, characteristic: C, DC

Part no. FAZ-C2/1-DC
279122
EL Number 1690999
(Norway)

General specifications	
Product name	Eaton Moeller series xEffect - FAZ-DC MCB
Part no.	FAZ-C2/1-DC
EAN	4015082791223
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	17.7 millimetre
Product weight	0.113 kilogram
Compliances	RoHS conform
Certifications	UL 1077 CSA Std. C22.2 No. 235 IEC/EN 60947-2 EN45545-2 IEC 61373
Product Tradename	xEffect - FAZ-DC
Product Type	MCB
Product Sub Type	None
Catalog Notes	Positioned for medium inrush startup currents to provide protection for small transformers and pilot devices.
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	2 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
Rated short-circuit breaking capacity (EN 60898) at 230 V	0 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	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		IP20 IP40 (when fitted)
Terminals (top and bottom)		Twin-purpose terminals
Connectable conductor cross section (solid-core) - min		1 mm ²
Connectable conductor cross section (solid-core) - max		25 mm ²
Connectable conductor cross section (multi-wired) - min		1 mm ²
Connectable conductor cross section (multi-wired) - max		25 mm ²
Terminal capacity of screw terminals for main cable		10 mm ² (2x)
Terminal capacity (control cable)		25 mm ² (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)		2 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		1.4 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
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

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)		
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01 [AAB905019])		
Built-in depth	mm	70.5
Release characteristic		C
Number of poles (total)		1
Number of protected poles		1
Rated current	A	2
Rated voltage	V	250
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	0
Voltage type		DC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	10
Frequency	Hz	50 - 60
Power loss	W	1.4
Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		No

Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			1
Degree of protection (IP)			IP20
Ambient temperature during operating		°C	-25 - 75
Connectable conductor cross section multi-wired		mm ²	1 - 25
Connectable conductor cross section solid-core		mm ²	1 - 25
Explosion-proof			No