

Miniature circuit breaker (MCB), 13 A, 1p, characteristic: B



Part no. FAZ-B13/1-RT
132741
EL Number 1691726
(Norway)

Product name	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Part no.	FAZ-B13/1-RT
EAN	4015081296903
Product Length/Depth	105 millimetre
Product height	75.5 millimetre
Product width	17.7 millimetre
Product weight	0.122 kilogram
Compliances	RoHS conform
Certifications	North America (UL listed, CSA certified) UL (File No. E235139) CSA-C22.2 No. 5-09 CE marking IEC/EN 60947-2 CSA (Class No. 1432-01) Specially designed for North America, suitable as BCPD UL 489, CSA C22.2 No. 5 UL 489 CSA (File No. 204453) UL (Category Control Number DIVQ) IEC 60947-2 IEC 61373 EN45545-2
Product Tradename	xEffect - FAZ-NA, FAZ-RT
Product Type	MCB
Product Sub Type	None
Application	Feeder circuits, branch circuits Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	B
Release characteristic	B
Amperage Rating	13 A
Type	FAZ-RT Miniature circuit breaker
Voltage type	AC
Voltage rating	277 V AC / 480 V AC
Voltage rating at DC	60 V DC
Voltage rating (IEC/EN 60947-2)	254 V
Voltage rating (UL)	277 V
Rated operational voltage (Ue) - max	240 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)	15 kA
Breaking capacity	10 kA (UL489)
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	15 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	15 kA

Selectivity class		3
Lifespan, electrical		20000 operations
Overvoltage category		III
Pollution degree		2
Direction of incoming supply		As required
Frame		45 mm
Enclosure width		105 mm
Width in number of modular spacings		1
Built-in depth		70.5 mm
Mounting width		17.7 mm
Mounting width per pole		17.7 mm
Mounting Method		Top-hat rail IEC/EN 60715
Mounting position		As required
Degree of protection		UL/CSA Type: - IP20 IP20 (IEC) 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 protection		Finger and hand touch safe, DGUV VS3, EN 50274
Tightening torque		UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 4 Nm (36 lb-in) for AWG 6 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 Max. 2.4 Nm
Rated operational current for specified heat dissipation (I _n)		13 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		2.4 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
Current limiting class		3
Features		Additional equipment possible
Functions		Current limiting circuit breaker
Special features		Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with		FAZ-RT Miniature circuit breaker

Technical data ETIM 8.0

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)
(ec1@ss10.0.1-27-14-19-01 [AAB905014])

Built-in depth	mm	70.5
Release characteristic		B
Number of poles (total)		1
Number of protected poles		1
Rated current	A	13
Rated voltage	V	240
Rated insulation voltage U _i	V	440
Rated impulse withstand voltage U _{imp}	kV	4
Rated short-circuit breaking capacity I _{cn} according to EN 60898 at 230 V	kA	0
Voltage type		AC

Rated short-circuit breaking capacity I_{cn} according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity I_{cu} according to IEC 60947-2 at 230 V	kA	15
Rated short-circuit breaking capacity I_{cu} according to IEC 60947-2 at 400 V	kA	15
Frequency	Hz	50 - 60
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