

**Miniature circuit breaker (MCB), 50 A, 1p, characteristic: B, DC, ring tongue**



**Part no. FAZ-B50/1-RT-DC  
305930**

Product name	Eaton Moeller series xEffect - FAZ-DC MCB
Part no.	FAZ-B50/1-RT-DC
EAN	9010238217270
Product Length/Depth	105 millimetre
Product height	75.5 millimetre
Product width	35.4 millimetre
Product weight	0.123 kilogram
Compliances	RoHS conform
Certifications	EN45545-2 IEC 61373
Product Tradename	xEffect - FAZ-DC
Product Type	MCB
Product Sub Type	None
Globally Marketable	Yes
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	B
Release characteristic	B
Amperage Rating	50 A
Type	FAZ-DC Miniature circuit breaker
Voltage type	DC
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
Selectivity class	3
Lifespan, electrical	4000 operations
Overvoltage category	III
Pollution degree	2
Frame	45 mm
Width in number of modular spacings	1
Built-in depth	75.5 mm
Mounting width	17.7 mm
Mounting width per pole	17.7 mm
Mounting position	As required
Degree of protection	IP20
Terminals (top and bottom)	Lift terminals

Connectable conductor cross section (solid-core) - min		1 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - max		25 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - min		1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max		25 mm <sup>2</sup>
Terminal capacity (control cable)		25 mm <sup>2</sup> (1x)
Terminal protection		Finger and hand touch safe, DGUV VS3, EN 50274
Lifespan, mechanical		20000 operations
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		75 °C
Current limiting class		3
Features		Additional equipment possible

## 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)  
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Built-in depth	mm	75.5
Release characteristic		B
Number of poles (total)		1
Number of protected poles		1
Rated current	A	50
Rated voltage	V	250
Rated insulation voltage U <sub>i</sub>	V	440
Rated impulse withstand voltage U <sub>imp</sub>	kV	4
Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 230 V	kA	0
Voltage type		DC
Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 400 V	kA	10
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 <sup>2</sup>	1 - 25
Connectable conductor cross section solid-core	mm <sup>2</sup>	1 - 25
Explosion-proof		No