

**Miniature circuit breaker (MCB), 50 A, 2p, characteristic: B, DC, ring tongue**
**Part no.**                      **FAZ-B50/2-RT-DC**  
**305950**

<b>General specifications</b>		
Product name		Eaton Moeller series xEffect - FAZ-DC MCB
Part no.		FAZ-B50/2-RT-DC
EAN		9010238217454
Product Length/Depth		105 millimetre
Product height		75.5 millimetre
Product width		35.4 millimetre
Product weight		0.248 kilogram
Compliances		RoHS conform
Certifications		IEC 61373 EN45545-2
Product Tradename		xEffect - FAZ-DC
Product Type		MCB
Product Sub Type		None
<b>Delivery program</b>		
Number of poles		Two-pole
Number of poles (total)		2
Number of poles (protected)		2
Tripping characteristic		B
Release characteristic		B
Amperage Rating		50 A
Type		FAZ-DC Miniature circuit breaker
<b>Technical Data - Electrical</b>		
Voltage type		DC
Rated operational voltage (Ue) - max		500 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
<b>Technical Data - Mechanical</b>		
Frame		45 mm
Width in number of modular spacings		2
Built-in depth		75.5 mm
Mounting width		36 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
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		75 °C
<b>Additional information</b>		
Current limiting class		3
Features		Additional equipment possible

## 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	75.5
Release characteristic		B
Number of poles (total)		2
Number of protected poles		2
Rated current	A	50
Rated voltage	V	500
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
Power loss	W	
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		2
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