

## Miniature circuit breaker (MCB), 50 A, 3p, characteristic: D

**Part no.** FAZ-D50/3  
**115374**

**EL Number**  
**(Norway)** 1691203

<b>General specifications</b>		
Product name		Eaton Moeller series xEffect - FAZ MCB
Part no.		FAZ-D50/3
EAN		4015081147748
Product Length/Depth		80 millimetre
Product height		75.5 millimetre
Product width		54 millimetre
Product weight		0.367 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 60947-2 IEC/EN 60898 IEC 61373 EN45545-2
Product Tradename		xEffect - FAZ
Product Type		MCB
Product Sub Type		None
<b>Delivery program</b>		
Application		Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles		Three-pole
Number of poles (total)		3
Number of poles (protected)		3
Tripping characteristic		D
Release characteristic		D
Amperage Rating		50 A
Type		FAZ Miniature circuit breaker
<b>Technical Data - Electrical</b>		
Voltage type		AC
Voltage rating		240 V AC / 415 V AC
Rated operational voltage (Ue) - max		400 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		10 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V		10 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
Overvoltage category		III
Pollution degree		2
<b>Technical Data - Mechanical</b>		
Width in number of modular spacings		3
Built-in depth		70.5 mm
Degree of protection		IP20
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>
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Rated operational current for specified heat dissipation (I <sub>n</sub> )		50 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		14.6 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
<b>Additional information</b>		
Current limiting class		3
Features		Additional equipment possible
Special features		Ambient temperature hint: Starting at 70 °C a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with		FAZ 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		D
Number of poles (total)		3
Number of protected poles		3
Rated current	A	50
Rated voltage	V	400
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	10
Voltage type		AC
Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 400 V	kA	10
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	14.8
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		3
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