## Miniature circuit breaker (MCB), 20 A, 3p, characteristic: Z

1695287



Part no. FAZ-Z20/3 278928

EL Number (Norway)

General specifications	
Product name	Eaton Moeller series xEffect - FAZ MCB
Part no.	FAZ-Z20/3
EAN	4015082789282
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	54 millimetre
Product weight	0.334 kilogram
Compliances	UL CSA09 (with supplementary protector only) RoHS conform
Certifications	UL (Category Control Number QVNU2, QVNU8) CSA (Class No. 3215-30) North America (UL recognized, CSA certified) CSA (File No. 204453) IEC/EN 60947-2 CSA-C22.2 No. 235 CE marking UL 1077 IEC/EN 60898 UL (File No. E177451) IEC 61373 EN45545-2
Product Tradename	xEffect - FAZ
Product Type	MCB
Product Sub Type	None
Delivery program	
Application	Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Three-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	Z
Release characteristic	B Z
Amperage Rating	20 A
Туре	FAZ Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Voltage rating	240 V AC / 415 V AC
Voltage rating at DC	60 V DC (per pole)
Voltage rating (UL CSA 13)	480 Y/277 V AC
Rated operational voltage (Ue) - max	230 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
Operational switching capacity	7.5 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	20 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	20 kA

125 A gL/gG 3 10000 operations III 2 As required 45 mm 80 mm 1.5 70.5 mm 17.5 mm
10000 operations  III  2  As required  45 mm  80 mm  1.5  70.5 mm
1II 2 As required 45 mm 80 mm 1.5 70.5 mm
2 As required  45 mm 80 mm 1.5 70.5 mm
As required  45 mm  80 mm  1.5  70.5 mm
45 mm 80 mm 1.5 70.5 mm
80 mm 1.5 70.5 mm 17.5 mm
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1.5 70.5 mm 17.5 mm
70.5 mm 17.5 mm
17.5 mm
17.5 mm
Top-hat rail IEC/EN 60715
As required
IP20 IP40 (when fitted) UL/CSA Type: - IP20 (IEC)
Twin-purpose terminals
1 mm²
25 mm <sup>2</sup>
1 mm <sup>2</sup>
25 mm²
10 mm² (2x)
25 mm² (1x)
Finger and hand touch safe, DGUV VS3, EN 50274
0.8 mm - 2 mm
20 A
0 W
13.1 W
0 W
0 W
-25 °C
75 °C
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.
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Is the panel builder's responsibility.
The panel builder is responsible for the temperature rise calculation. Eaton will

10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
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	Miniature circuit breaker FAZ

## **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		В
Number of poles (total)		1
Number of protected poles		1
Rated current	Α	20
Rated voltage	V	230
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		AC
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	20
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	20
Frequency	Hz	50 - 60
Power loss	W	13.1
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		1.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25
Explosion-proof		No