

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

Part no. FAZ-B20/3-NA
132725
EL Number 1691560
(Norway)

General specifications		
Product name		Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Part no.		FAZ-B20/3-NA
EAN		4015081296743
Product Length/Depth		105 millimetre
Product height		75.5 millimetre
Product width		53.1 millimetre
Product weight		0.365 kilogram
Compliances		RoHS conform
Certifications		UL 489, CSA C22.2 No. 5 UL 489 CSA (Class No. 1432-01) North America (UL listed, CSA certified) CSA-C22.2 No. 5-09 IEC 60947-2 CSA (File No. 204453) Specially designed for North America, suitable as BCPD UL (File No. E235139) CE marking UL (Category Control Number DIVQ) IEC/EN 60947-2 IEC 61373 EN45545-2
Product Tradename		xEffect - FAZ-NA, FAZ-RT
Product Type		MCB
Product Sub Type		None
Delivery program		
Application		Feeder circuits, branch circuits Switchgear for export to North America (UL-listed)
Number of poles		Three-pole
Number of poles (total)		3
Number of poles (protected)		3
Tripping characteristic		B
Release characteristic		B
Amperage Rating		20 A
Type		FAZ-NA Miniature circuit breaker
Technical Data - Electrical		
Voltage type		AC
Voltage rating		277 V AC / 480 V AC
Voltage rating at DC		60 V DC
Voltage rating (IEC/EN 60947-2)		440 V
Voltage rating (UL)		480Y/277 V
Rated operational voltage (Ue) - max		415 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		14 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
Technical Data - Mechanical		
Frame		45 mm
Enclosure width		105 mm
Width in number of modular spacings		3
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		Max. 2.4 Nm UL: 4 Nm (36 lb-in) for AWG 6 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12
Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (I _n)		20 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		8.7 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
Additional information		
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		Miniature circuit breaker FAZ-NA

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		B
Number of poles (total)		3
Number of protected poles		3
Rated current	A	20
Rated voltage	V	415
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
Power loss	W	9.9
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 ²	1 - 25
Connectable conductor cross section solid-core	mm ²	1 - 25
Explosion-proof		No