

Miniature circuit breaker (MCB), 16 A, 3p, characteristic: B

Part no. FAZ-B16/3-NA
132724

EL Number
(Norway) 1691559

General specifications	
Product name	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Part no.	FAZ-B16/3-NA
EAN	4015081296736
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 (File No. E235139) CE marking UL (Category Control Number DIVQ) North America (UL listed, CSA certified) CSA-C22.2 No. 5-09 IEC/EN 60947-2 CSA (File No. 204453) UL 489, CSA C22.2 No. 5 CSA (Class No. 1432-01) UL 489 IEC 60947-2 Specially designed for North America, suitable as BCPD EN45545-2 IEC 61373
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	16 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		IP40 (when fitted) UL/CSA Type: - IP20 IP20 (IEC)
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		UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 Max. 2.4 Nm UL: 4 Nm (36 lb-in) for AWG 6
Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (In)		16 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		6.4 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		FAZ-NA 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		B
Number of poles (total)		3
Number of protected poles		3
Rated current	A	16
Rated voltage	V	415
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 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	6.9
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