

## Miniature circuit breaker (MCB), 40 A, 2p, characteristic: B

**Part no.**                   **FAZ-B40/2-NA**  
                                   **132711**  
**EL Number**               **1691546**  
**(Norway)**

General specifications	
Product name	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Part no.	FAZ-B40/2-NA
EAN	4015081296606
Product Length/Depth	105 millimetre
Product height	75.5 millimetre
Product width	35.4 millimetre
Product weight	0.254 kilogram
Compliances	RoHS conform
Certifications	CSA-C22.2 No. 5-09 IEC 60947-2 CSA (Class No. 1432-01) North America (UL listed, CSA certified) CE marking UL (File No. E235139) Specially designed for North America, suitable as BCPD UL 489, CSA C22.2 No. 5 CSA (File No. 204453) UL (Category Control Number DIVQ) IEC/EN 60947-2 UL 489 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	Two-pole
Number of poles (total)	2
Number of poles (protected)	2
Tripping characteristic	B
Release characteristic	B
Amperage Rating	40 A
Type	FAZ-NA Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Voltage rating	240 V AC
Voltage rating at DC	60 V DC
Voltage rating (IEC/EN 60947-2)	440 V
Voltage rating (UL)	240 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	10 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
<b>Technical Data - Mechanical</b>		
Frame		45 mm
Enclosure width		105 mm
Width in number of modular spacings		2
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 <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 protection		Finger and hand touch safe, DGUV VS3, EN 50274
Tightening torque		Max. 2.4 Nm UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 4 Nm (36 lb-in) for AWG 6
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Rated operational current for specified heat dissipation (In)		40 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		8.1 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
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)		2
Number of protected poles		2
Rated current	A	40
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 <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	15
Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 400 V	kA	15
Frequency	Hz	50 - 60
Power loss	W	6.8
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		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