

Miniature circuit breaker (MCB), 20 A, 2p, characteristic: B

Part no. FAZ-B20/2-NA
132706

EL Number
(Norway) 1691541

| General specifications | | |
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| Product name | | Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB |
| Part no. | | FAZ-B20/2-NA |
| EAN | | 4015081296552 |
| Product Length/Depth | | 105 millimetre |
| Product height | | 75.5 millimetre |
| Product width | | 35.4 millimetre |
| Product weight | | 0.243 kilogram |
| Compliances | | RoHS conform |
| Certifications | | Specially designed for North America, suitable as BCPD UL (Category Control Number DIVQ) CE marking IEC/EN 60947-2 UL 489, CSA C22.2 No. 5 UL (File No. E235139) CSA-C22.2 No. 5-09 North America (UL listed, CSA certified) CSA (File No. 204453) CSA (Class No. 1432-01) IEC 60947-2 UL 489 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 | | Two-pole |
| Number of poles (total) | | 2 |
| Number of poles (protected) | | 2 |
| 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 |

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| 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 | | 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 | | IP20 UL/CSA Type: - IP40 (when fitted) 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: 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 Max. 2.4 Nm |
| 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 | | 5.8 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

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| 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 | 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 |

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|---|-----------------|----------|
| 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 | 6.6 |
| 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 ² | 1 - 25 |
| Connectable conductor cross section solid-core | mm ² | 1 - 25 |
| Explosion-proof | | No |