

Miniature circuit breaker (MCB), 0.5 A, 2p, characteristic: C

Part no. **FAZ-C0,5/2-NA**
102157
 EL Number **1691586**
 (Norway)

| General specifications | |
|---|--|
| Product name | Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB |
| Part no. | FAZ-C0,5/2-NA |
| EAN | 4015081020331 |
| Product Length/Depth | 105 millimetre |
| Product height | 75.5 millimetre |
| Product width | 35.4 millimetre |
| Product weight | 0.242 kilogram |
| Compliances | RoHS conform |
| Certifications | IEC 60947-2 UL Listed file E235139 CSA Std. C22.2 No. 5 UL 489 UL (File No. E235139) CE marking CSA-C22.2 No. 5-09 Specially designed for North America, suitable as BCPD CSA (Class No. 1432-01) UL 489, CSA C22.2 No. 5 CSA (File No. 204453) IEC/EN 60947-2 UL (Category Control Number DIVQ) North America (UL listed, CSA certified) IEC 61373 EN45545-2 |
| Product Tradename | xEffect - FAZ-NA, FAZ-RT |
| Product Type | MCB |
| Product Sub Type | None |
| Catalog Notes | Positioned for medium inrush startup currents to provide protection for small transformers and pilot devices. |
| 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 | C |
| Release characteristic | C |
| Amperage Rating | 0.5 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 | 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 |

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 IP40 (when fitted) UL/CSA Type: - 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

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| Rated operational current for specified heat dissipation (I _n) | | 0.5 A |
| Heat dissipation per pole, current-dependent | | 0 W |
| Equipment heat dissipation, current-dependent | | 0 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: Starting at 40 ° 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

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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 | | C |
| Number of poles (total) | | 2 |
| Number of protected poles | | 2 |
| Rated current | A | 0.5 |
| 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 | |
| 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 |