

Miniature circuit breaker (MCB), 1 A, 1p, characteristic: K

Part no. FAZ-K1/1
278590

EL Number
(Norway) 1695310

| General specifications | | |
|--|--|--|
| Product name | | Eaton Moeller series xEffect - FAZ MCB |
| Part no. | | FAZ-K1/1 |
| EAN | | 4015082785901 |
| Product Length/Depth | | 80 millimetre |
| Product height | | 75.5 millimetre |
| Product width | | 17.7 millimetre |
| Product weight | | 0.111 kilogram |
| Compliances | | UL CSA09 (with supplementary protector only) RoHS conform |
| Certifications | | IEC/EN 60947-2 UL 1077 CSA (File No. 204453) UL (File No. E177451) North America (UL recognized, CSA certified) CSA (Class No. 3215-30) IEC/EN 60898 UL (Category Control Number QVNU2, QVNU8) CSA-C22.2 No. 235 CE marking IEC 61373 EN45545-2 |
| Product Tradename | | xEffect - FAZ |
| Product Type | | MCB |
| Product Sub Type | | None |
| Delivery program | | |
| Application | | Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications |
| Number of poles | | Single-pole |
| Number of poles (total) | | 1 |
| Number of poles (protected) | | 1 |
| Tripping characteristic | | K |
| Release characteristic | | K |
| Amperage Rating | | 1 A |
| Type | | FAZ Miniature circuit breaker |
| Technical Data - Electrical | | |
| Voltage type | | AC |
| Voltage rating | | 240 V AC |
| Voltage rating at DC | | 60 V DC (per pole) |
| Voltage rating (UL CSA 13) | | 277 V AC; 48 V DC |
| Rated operational voltage (Ue) - max | | 230 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) | | 10 kA |
| Operational switching capacity | | 7.5 kA |
| 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 | | 10 kA |
| Rated short-circuit breaking capacity (IEC 60947-2) at 400 V | | 10 kA |
| Admissible back-up fuse - max | | 125 A gL/gG |

| | | |
|------------------------------|--|------------------|
| Selectivity class | | 3 |
| Lifespan, electrical | | 10000 operations |
| Overvoltage category | | III |
| Pollution degree | | 2 |
| Direction of incoming supply | | As required |

Technical Data - Mechanical

| | | |
|---|--|--|
| Frame | | 45 mm |
| Enclosure width | | 80 mm |
| Width in number of modular spacings | | 1 |
| Built-in depth | | 70.5 mm |
| Mounting width per pole | | 17.5 mm |
| Mounting width | | 17.5 mm |
| Mounting Method | | Top-hat rail IEC/EN 60715 |
| Mounting position | | As required |
| Degree of protection | | UL/CSA Type: - IP20 (IEC) IP20 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 capacity of screw terminals for main cable | | 10 mm ² (2x) |
| Terminal capacity (control cable) | | 25 mm ² (1x) |
| Terminal protection | | Finger and hand touch safe, DGUV VS3, EN 50274 |
| Busbar material thickness | | 0.8 mm - 2 mm |

Design verification as per IEC/EN 61439 - technical data

| | | |
|--|--|--------|
| Rated operational current for specified heat dissipation (I _n) | | 1 A |
| Heat dissipation per pole, current-dependent | | 0 W |
| Equipment heat dissipation, current-dependent | | 2 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 |
| Special features | | Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |
| Used with | | FAZ 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 | | K |
| Number of poles (total) | | 1 |
| Number of protected poles | | 1 |
| Rated current | A | 1 |
| Rated voltage | V | 230 |
| 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 | 10 |
| Rated short-circuit breaking capacity I_{cu} according to IEC 60947-2 at 400 V | kA | 10 |
| Frequency | Hz | 50 - 60 |
| Power loss | W | 2 |
| 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 | | 1 |
| 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 |