# DATASHEET - FAZ-B25/1-RT

**Miniature circuit breaker (MCB), 25 A, 1p, characteristic: B**

| | |
|---|---|
| **Part no.** | **FAZ-B25/1-RT** |
| **Catalog No.** | **132745** |
| **Alternate Catalog No.** | **FAZ-B25/1-RT** |
| **EL-Nummer (Norway)** | **1691730** |

Similar to illustration

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Miniature circuit-breakers |
| Number of poles | | | 1 pole |
| Tripping characteristic | | | B |
| Application | | | Switchgear for industrial and advanced commercial applications |
| Rated current | $I_n$ | A | 25 |
| Rated switching capacity acc. to IEC/EN 60947-2 | $I_{cu}$ | kA | 15 |
| Product range | | | FAZ-RT |

## Technical data

### Electrical

| | | | |
|---|---|---|---|
| Standards | | | UL 489, CSA C22.2 No. 5<br>IEC 60947-2 |
| Rated operational voltage | $U_e$ | V | |
| | $U_e$ | V AC | 277/480 Y |
| | | V DC | 60 |
| Rated voltage according to IEC/EN 60947-2 | $U_n$ | V AC | 254 |
| Rated voltage according to UL | $U_n$ | V AC | 277 |
| Rated switching capacity acc. to IEC/EN 60947-2 | $I_{cu}$ | kA | 15 |
| Breaking capacity according to UL | | kA | 14 (UL489) |
| Characteristic | | | B, C, D |
| Selectivity Class | | | 3 |
| lifespan | | | |
| Lifespan | Operations | | > 20000 |
| Direction of incoming supply | | | as required |

### Mechanical

| | | | |
|---|---|---|---|
| Standard front dimension | | mm | 45 |
| Enclosure height | | mm | 105 |
| Mounting width per pole | | mm | 17.7 |
| Mounting | | | IEC/EN 60715 top-hat rail |
| Degree of Protection | | | IP20, IP40 (when fitted) |
| Terminals top and bottom | | | Twin-purpose terminals |
| Terminal protection | | | Finger and back-of-hand proof to BGV A2 |
| Tightening torque of fixing screws | | N/m | max. 2.4<br>UL:<br>#18-12 AWG: 2.4 Nm (21 lb-in)<br>#10-8 AWG: 2.8 Nm (25 lb-in)<br>#6 AWG: 4 Nm (36 lb-in) |
| Mounting position | | | As required |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | $I_n$ | A | 25 |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W | 0 |
| Equipment heat dissipation, current-dependent | $P_{vid}$ | W | 3.1 |
| Static heat dissipation, non-current-dependent | $P_{vs}$ | W | 0 |

| | | | |
|---|---|---|---|
| Heat dissipation capacity | $P_{diss}$ | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 75 |
| | | | linear, per +1 °C, results in a 0.5% reduction of current carrying capacity |

## Technical data ETIM 7.0

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@ss10.0.1-27-14-19-01 [AAB905014])

| | | |
|---|---|---|
| Release characteristic | | B |
| Number of poles (total) | | 1 |
| Number of protected poles | | 1 |
| Rated current | A | 25 |
| Rated voltage | V | 240 |
| Rated insulation voltage Ui | V | 440 |
| Rated impulse withstand voltage Uimp | kV | 4 |
| Rated short-circuit breaking capacity Icn EN 60898 at 230 V | kA | 0 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | kA | 0 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | kA | 15 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | kA | 15 |
| Voltage type | | AC |
| Frequency | Hz | 50 - 60 |
| Current limiting class | | 3 |
| Suitable for flush-mounted installation | | No |
| Concurrently switching N-neutral | | No |
| Over voltage category | | 3 |
| Pollution degree | | 2 |
| Additional equipment possible | | Yes |
| Width in number of modular spacings | | 1 |
| Built-in depth | mm | 70.5 |
| 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 |

## Approvals

| | |
|---|---|
| Product Standards | IEC/EN 60947-2; EN 45545-2; IEC 61373; UL 489; CSA-C22.2 No. 5-09; CE marking |
| UL File No. | E235139 |
| UL Category Control No. | DIVQ |
| CSA File No. | 204453 |
| CSA Class No. | 1432-01 |
| North America Certification | UL listed, CSA certified |
| Specially designed for North America | Yes, suitable as BCPD |
| Suitable for | Feeder circuits, branch circuits |
| Current Limiting Circuit-Breaker | Yes |
| Max. Voltage Rating | ≤ 32 A |
| Degree of Protection | IEC: IP20, UL/CSA Type: - |

## Additional product information (links)

| | |
|---|---|
| Temperature dependency, derating | https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ-NA-RT.pdf |


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