



Miniature circuit breaker (MCB), 16 A, 1p, characteristic: C, DC

Part no. FAZ-C16/1-DC
Catalog No. 279128
Alternate Catalog No. FAZ-C16/1-DC
EL-Nummer (Norway) 1691494

Similar to illustration

Delivery program

| | | | |
|---|----------|----|--------------------------------|
| Basic function | | | Miniature circuit-breakers |
| Number of poles | | | 1 pole |
| Tripping characteristic | | | C |
| Application | | | Switchgear for DC applications |
| Rated current | I_n | A | 16 |
| Rated switching capacity acc. to IEC/EN 60947-2 | I_{cu} | kA | 10 |
| Product range | | | FAZ-DC |

Technical data

Electrical

| | | | |
|---|------------|---------|-----------------------|
| Standards | | | EN 45545-2; IEC 61373 |
| Rated operational voltage | U_e | V | 250 (per pole) |
| | | V DC | |
| Rated switching capacity acc. to IEC/EN 60947-2 | I_{cu} | kA | 10 |
| Characteristic | | | C |
| Max. back-up fuse | | A gL/gG | 100 |
| Selectivity Class | | | 3 |
| lifespan | | | |
| Lifespan | Operations | | > 10000 |
| Direction of incoming supply | | | Polarity dependent |

Mechanical

| | | | |
|------------------------------|--|-----------------|---|
| Standard front dimension | | mm | 45 |
| Enclosure height | | mm | 80 |
| Mounting width per pole | | mm | 17.5 |
| 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 |
| Terminal capacities | | mm ² | |
| | | mm ² | 1 x 25 |
| | | mm ² | 2 x 10 |
| Thickness of busbar material | | mm | 0.8 ... 2 |
| 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 | 16 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 0 |
| Equipment heat dissipation, current-dependent | P_{vid} | W | 2.2 |
| Static heat dissipation, non-current-dependent | P_{vs} | W | 0 |
| Heat dissipation capacity | P_{diss} | W | 0 |

| | | |
|---|----|-----|
| Operating ambient temperature min. | °C | -40 |
| Operating ambient temperature max. | °C | 75 |
| linear, per +1 °C, results in a 0.5% reduction of current carrying capacity | | |

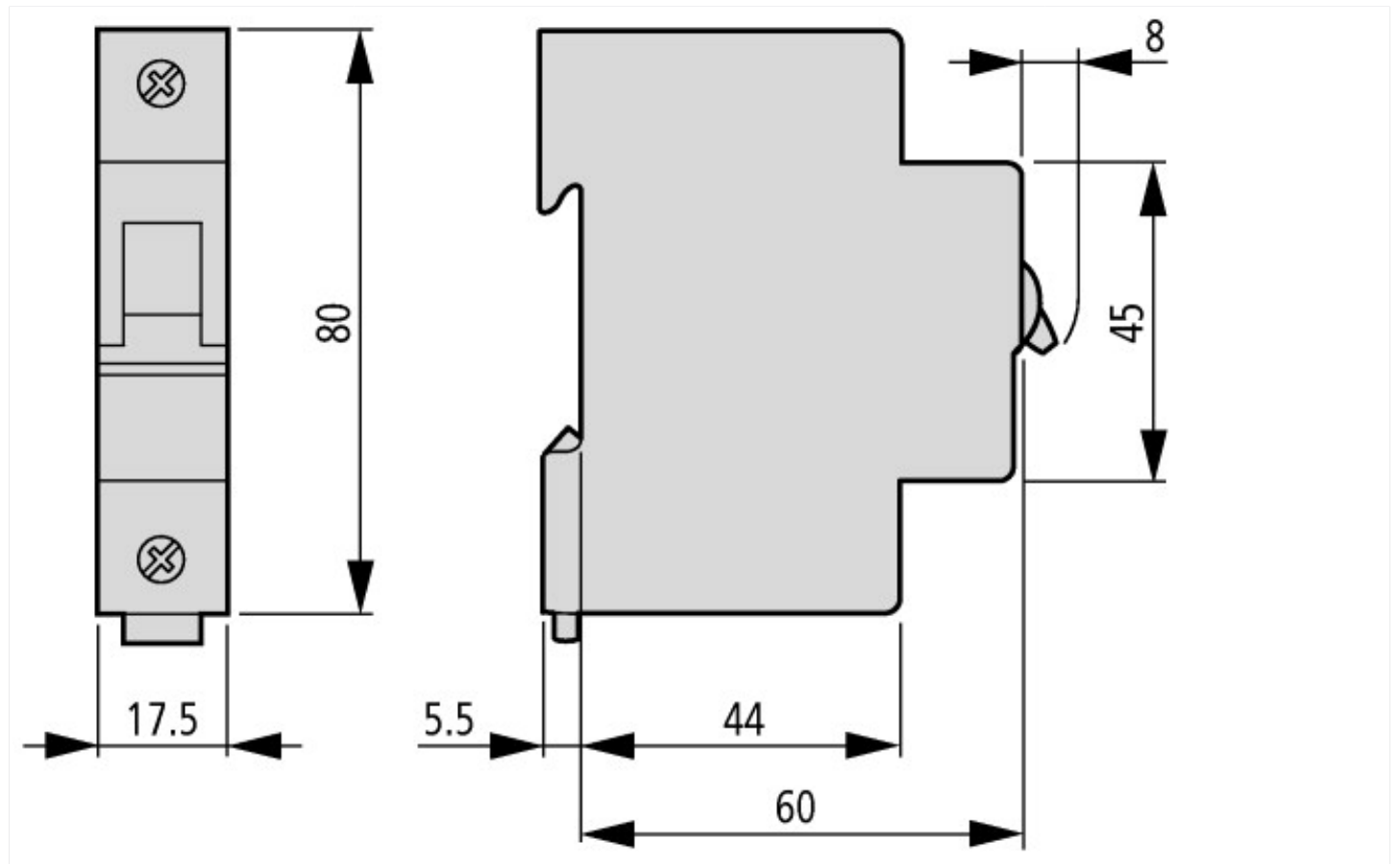
Technical data ETIM 7.0

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 | | C |
| Number of poles (total) | | 1 |
| Number of protected poles | | 1 |
| Rated current | A | 16 |
| Rated voltage | V | 250 |
| Rated insulation voltage U_i | V | 440 |
| Rated impulse withstand voltage U_{imp} | kV | 4 |
| Rated short-circuit breaking capacity I_{cn} EN 60898 at 230 V | kA | 0 |
| Rated short-circuit breaking capacity I_{cn} EN 60898 at 400 V | kA | 0 |
| Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 230 V | kA | 10 |
| Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 400 V | kA | 10 |
| Voltage type | | DC |
| 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 |

Dimensions



Additional product information (links)

Temperature dependency, derating

<https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf>