# DATASHEET - FAZ-PN-B40/1N




Similar to illustration

**Miniature circuit breaker (MCB), 40 A, 1p+N, characteristic: B**

| | |
|---|---|
| **Part no.** | **FAZ-PN-B40/1N** |
| **Catalog No.** | **279153** |
| **Alternate Catalog No.** | **FAZ-PN-B40/1N** |

Powering Business Worldwide™

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Miniature circuit-breakers |
| Number of poles | | | 1 pole+N |
| Tripping characteristic | | | B |
| Application | | | Switchgear for industrial and advanced commercial applications |
| Rated current | $I_n$ | A | 40 |
| Rated switching capacity acc. to IEC/EN 60947-2 | $I_{cu}$ | kA | 10 |
| Product range | | | FAZ-PN |

## Technical data

### Electrical

| | | | |
|---|---|---|---|
| Standards | | | EN 45545-2; IEC 61373 |
| Rated operational voltage | $U_e$ | V | |
| | $U_e$ | V AC | 240/415 |
| | | V DC | 60 (per pole) |
| Rated switching capacity acc. to IEC/EN 60947-2 | $I_{cu}$ | kA | 10 |
| Characteristic | | | B, C |
| Max. back-up fuse | | A gL/gG | 100 |
| Selectivity Class | | | 3 |
| lifespan | | | |
| Lifespan | Operations | | > 4000 |
| Direction of incoming supply | | | as required |

### 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 16 |

## Design verification as per IEC/EN 61439

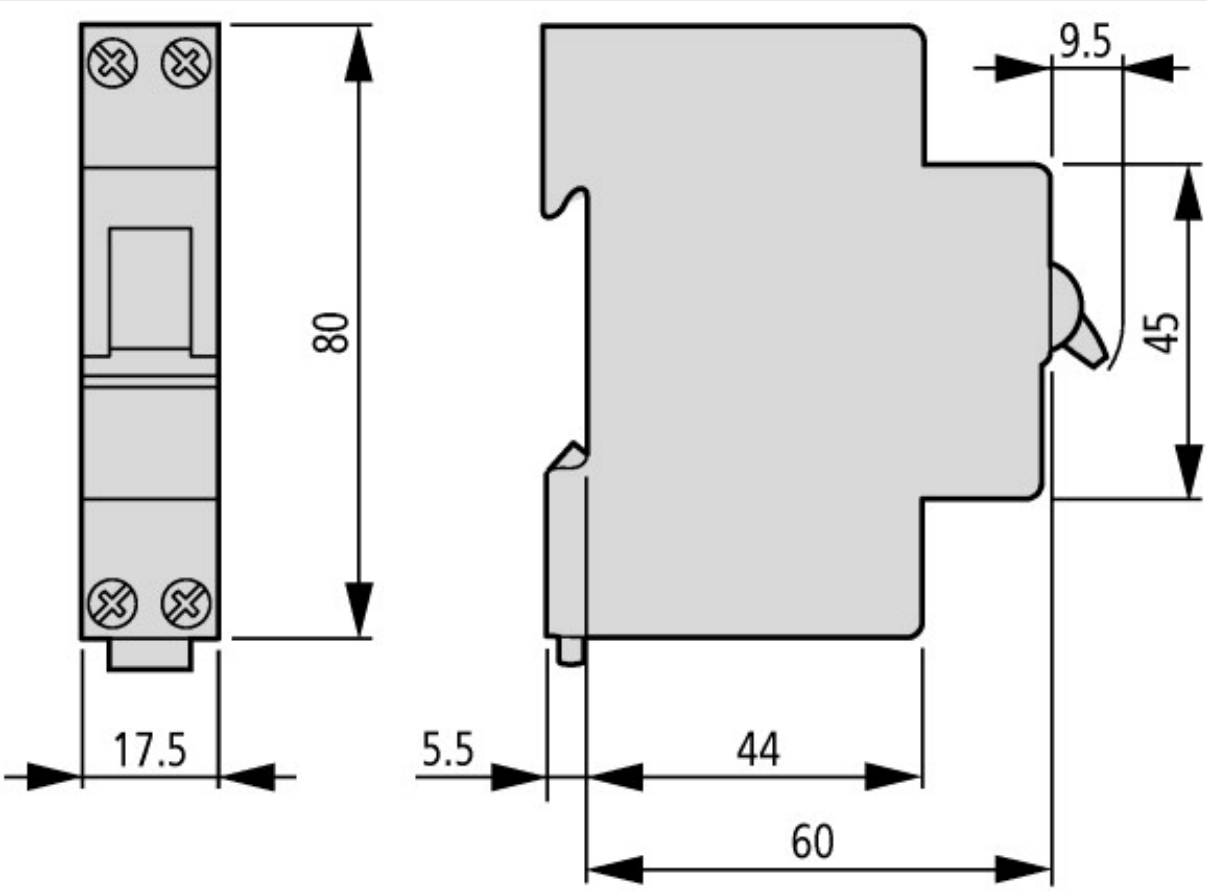
| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | -40 |
| Operating ambient temperature max. | | °C | 75 |

## 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) | | | 2 |

| | | |
|---|---|---|
| Number of protected poles | | 1 |
| Rated current | A | 40 |
| Rated voltage | V | 230 |
| 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 | 6 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | kA | 6 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | kA | 10 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | kA | 10 |
| Voltage type | | AC |
| Frequency | Hz | 50 - 60 |
| Current limiting class | | 3 |
| Suitable for flush-mounted installation | | No |
| Concurrently switching N-neutral | | Yes |
| Over voltage category | | 3 |
| Pollution degree | | 2 |
| Additional equipment possible | | Yes |
| Width in number of modular spacings | | 2 |
| 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





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