



**Miniature circuit breaker (MCB), 1A, 4p, type B characteristic**



**Part no.** FAZ-B1/4  
**Catalog No.** 279020  
**Alternate Catalog No.** FAZ-B1/4  
**EL-Nummer (Norway)** 0001691062

Similar to illustration

**Delivery program**

|   |          |    |  |
|---|----------|----|--|
| Basic function                                  |          |    | Miniature circuit-breakers                                     |
| Number of poles                                 |          |    | 4 pole   |
| Tripping characteristic                         |          |    | B  |
| Application                                     |          |    | Switchgear for industrial and advanced commercial applications |
| Rated current                                   | $I_n$    | A  | 1  |
| Rated switching capacity acc. to IEC/EN 60947-2 | $I_{cu}$ | kA | 15   |
| Product range                                   |          |    | FAZ  |

**Technical data**

**Electrical**

|   |          |      |             |
|---|----------|------|-------------|
| Rated switching capacity acc. to IEC/EN 60947-2   | $I_{cu}$ | kA   | 15          |
| Breaking capacity according to UL   |          | kA   | 10 (UL1077) |
| Max operational voltage according to IEC/EN 60947-2   |          | V AC | 440         |
| Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)                      | $I_{cu}$ | kA   | 10          |
| Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage) | $I_{cs}$ |      | 7,5 kA      |
| Rated voltage according to IEC/EN 60898-1   | $U_n$    | V AC | 415         |
| Rated switching capacity according to IEC/EN 60898-1  | $I_{cn}$ | kA   | 10          |
| Rated service short-circuit breaking capacity according to IEC/EN 60898-1                           | $I_{cs}$ |      | 7,5 kA      |

**Design verification as per IEC/EN 61439**

|   |            |    |     |
|---|------------|----|-----|
| Technical data for design verification                                      |            |    |     |
| Rated operational current for specified heat dissipation                    | $I_n$      | A  | 1   |
| Heat dissipation per pole, current-dependent                                | $P_{vid}$  | W  | 0   |
| Equipment heat dissipation, current-dependent                               | $P_{vid}$  | W  | 6.4 |
| 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) (ecI@ss10.0.1-27-14-19-01 [AAB905014]) |  |    |     |
| Release characteristic  |  |    | B   |
| Number of poles (total)   |  |    | 4   |
| Number of protected poles   |  |    | 4   |
| Rated current   |  | A  | 1   |
| Rated voltage   |  | V  | 400 |
| 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 | 10  |
| Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 400 V  |  | kA | 10  |

|  |                 |          |
|--|-----------------|----------|
| 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                            |                 | 4        |
| 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 <sup>2</sup> | 1 - 25   |
| Connectable conductor cross section solid-core                 | mm <sup>2</sup> | 1 - 25   |

## Additional product information (links)

|                                  |   |
|----------------------------------|---|
| Temperature dependency, derating | <a href="https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf">https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf</a> |
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