



Miniature circuit breaker (MCB), 40A, 1pole+N, type K characteristic



Part no. FAZ-K40/1N
Catalog No. 278716
Alternate Catalog No. FAZ-K40/1N
EL-Nummer (Norway) 1666799

Similar to illustration

Delivery program

| | | | |
|---|----------|----|--|
| Basic function | | | Miniature circuit-breakers |
| Number of poles | | | 1 pole+N |
| Tripping characteristic | | | K |
| 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 | 15 |
| Product range | | | FAZ |

Technical data

Electrical

| | | | |
|---|----------|------|-----|
| Rated operational voltage | U_e | V | |
| | U_e | V AC | |
| Rated operating voltage | U_e | V AC | 240 |
| Rated switching capacity acc. to IEC/EN 60947-2 | I_{cu} | kA | 15 |

Design verification as per IEC/EN 61439

| | | | |
|--|------------|----|---|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | I_n | A | 40 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 0 |
| Equipment heat dissipation, current-dependent | P_{vid} | W | 7 |
| 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 | | | K |
| Number of poles (total) | | | 2 |
| Number of protected poles | | | 1 |
| Rated current | | A | 40 |
| 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} 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 | 15 |
| Rated short-circuit breaking capacity I_{cu} 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 | | 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 |

Additional product information (links)

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