

Miniature circuit breaker (MCB), 63 A, 3p, characteristic: D, 6 kA

Part no. **FAZ6-D63/3**
168087

| General specifications | | |
|---|--|---|
| Product name | | Eaton Moeller series xEffect - FAZ6 MCB |
| Part no. | | FAZ6-D63/3 |
| EAN | | 4015081646623 |
| Product Length/Depth | | 85 millimetre |
| Product height | | 73 millimetre |
| Product width | | 52.5 millimetre |
| Product weight | | 0.36 kilogram |
| Compliances | | RoHS conform |
| Product Tradename | | xEffect - FAZ6 |
| Product Type | | MCB |
| Product Sub Type | | None |
| Delivery program | | |
| Number of poles | | Three-pole |
| Number of poles (total) | | 3 |
| Number of poles (protected) | | 3 |
| Release characteristic | | D |
| Amperage Rating | | 63 A |
| Technical Data - Electrical | | |
| Voltage type | | AC |
| Voltage rating (IEC/EN 60898-1) | | 415 V |
| Voltage rating (IEC/EN 60947-2) | | 400 |
| Rated operational voltage (Ue) - max | | 230 V |
| Operational voltage (IEC/EN 60947-2) - max | | 400 V |
| Operational voltage at DC (IEC/EN 60947-2) - max | | 60 V |
| Rated insulation voltage (Ui) | | 440 V |
| Rated impulse withstand voltage (Uimp) | | 4 kV |
| Frequency rating - min | | 50 Hz |
| Frequency rating - max | | 60 Hz |
| Rated switching capacity (IEC/EN 60947-2) | | 7.5 kA |
| Rated service short-circuit breaking capacity (IEC/EN 60898-1) | | 0 kA |
| Rated service short-circuit breaking capacity (IEC/EN 60947-2) | | 10 kA |
| Rated short-circuit breaking capacity (EN 60898) at 230 V | | 6 kA |
| Rated short-circuit breaking capacity (EN 60898) at 400 V | | 6 kA |
| Rated short-circuit breaking capacity (IEC 60947-2) at 230 V | | 10 kA |
| Rated short-circuit breaking capacity (IEC 60947-2) at 400 V | | 10 kA |
| Overvoltage category | | III |
| Pollution degree | | 2 |
| Technical Data - Mechanical | | |
| Width in number of modular spacings | | 3 |
| Built-in depth | | 70.5 mm |
| Degree of protection | | IP20 |
| Connectable conductor cross section (solid-core) - min | | 1 mm ² |
| Connectable conductor cross section (solid-core) - max | | 25 mm ² |
| Connectable conductor cross section (multi-wired) - min | | 1 mm ² |
| Connectable conductor cross section (multi-wired) - max | | 25 mm ² |
| Design verification as per IEC/EN 61439 - technical data | | |
| Rated operational current for specified heat dissipation (In) | | 63 A |

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|--|--|---|
| Equipment heat dissipation, current-dependent | | 20.4 W |
| Static heat dissipation, non-current-dependent | | 0 W |
| Heat dissipation capacity | | 0 W |
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 75 °C |
| Additional information | | |
| Current limiting class | | 3 |
| Features | | Additional equipment possible |
| Special features | | Ambient temperature hint: Starting at 70 °C a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |

Technical data ETIM 9.0

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| 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@ss13-27-14-19-01 [AAB905019]) | | |
| Built-in depth | mm | 70.5 |
| Release characteristic | | D |
| Number of poles (total) | | 3 |
| Number of protected poles | | 3 |
| Rated current | A | 63 |
| Rated voltage | V | 230 |
| Rated insulation voltage Ui | V | 440 |
| Rated impulse withstand voltage Uimp | kV | 4 |
| Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V | kA | 6 |
| Voltage type | | AC |
| Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V | kA | 6 |
| Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V | kA | 10 |
| Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V | kA | 10 |
| Frequency | Hz | 50 - 60 |
| Power loss | W | 16.6 |
| Current limiting class | | 3 |
| Flush-mounted installation | | No |
| Concurrently switching neutral conductor | | No |
| Over voltage category | | 3 |
| Pollution degree | | 2 |
| Additional equipment possible | | Yes |
| Width in number of modular spacings | | 3 |
| 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 |
| Explosion-proof | | No |