

Miniature circuit breaker (MCB), 1.5 A, 1p, characteristic: C, 6 kA



**Part no.**                    **FAZ6-C1,5/1**  
**177384**

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| Product name   | Eaton Moeller series xEffect - FAZ6 MCB    |
| Part no.   | FAZ6-C1,5/1                                |
| EAN  | 4015081718443                              |
| Product Length/Depth   | 72.6 millimetre                            |
| Product height   | 80 millimetre                              |
| Product width  | 17.7 millimetre                            |
| Product weight   | 0.113 kilogram                             |
| Compliances  | RoHS conform                               |
| Product Tradename  | xEffect - FAZ6                             |
| Product Type   | MCB  |
| Product Sub Type   | None                                       |
| Globally Marketable  | Yes  |
| Number of poles (total)  | 1  |
| Number of poles (protected)  | 1  |
| Release characteristic   | C  |
| Amperage Rating  | 1.5 A                                      |
| Voltage type   | AC   |
| Rated operational voltage (Ue) - max   | 240 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 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  |
| Width in number of modular spacings  | 1  |
| Built-in depth   | 70.5 mm                                    |
| Degree of protection   | IP20                                       |
| Connectable conductor cross section (solid-core) - min                           | 1 mm <sup>2</sup>                          |
| Connectable conductor cross section (solid-core) - max                           | 25 mm <sup>2</sup>                         |
| Connectable conductor cross section (multi-wired) - min                          | 1 mm <sup>2</sup>                          |
| Connectable conductor cross section (multi-wired) - max                          | 25 mm <sup>2</sup>                         |
| Rated operational current for specified heat dissipation (In)                    | 1.5 A                                      |
| Equipment heat dissipation, current-dependent                                    | 1.5 W                                      |
| Ambient operating temperature - min  | -25 °C                                     |
| Ambient operating temperature - max  | 75 °C                                      |
| 10.2.2 Corrosion resistance  | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures                         | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat       | Meets the product standard's requirements. |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | Meets the product standard's requirements. |

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| 10.2.4 Resistance to ultra-violet (UV) radiation         |  | Meets the product standard's requirements.   |
| 10.2.5 Lifting   |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.6 Mechanical impact                                 |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.7 Inscriptions                                      |  | Meets the product standard's requirements.   |
| 10.3 Degree of protection of assemblies                  |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.4 Clearances and creepage distances                   |  | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock                   |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.6 Incorporation of switching devices and components   |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.7 Internal electrical circuits and connections        |  | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors                 |  | Is the panel builder's responsibility.   |
| 10.9.2 Power-frequency electric strength                 |  | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage                         |  | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material |  | Is the panel builder's responsibility.   |
| 10.10 Temperature rise                                   |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                               |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility                      |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function                                |  | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
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| Current limiting class                                   |  | 3  |
| Features   |  | Additional equipment possible  |

## Technical data ETIM 8.0

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])

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|--|-----------------|----------|
| Built-in depth   | mm              | 70.5     |
| Release characteristic   |                 | C        |
| Number of poles (total)  |                 | 1        |
| Number of protected poles  |                 | 1        |
| Rated current  | A               | 1.5      |
| Rated voltage  | V               | 240      |
| Rated insulation voltage $U_i$   | V               | 440      |
| Rated impulse withstand voltage $U_{imp}$  | kV              | 4        |
| Rated short-circuit breaking capacity $I_{cn}$ according to EN 60898 at 230 V    | kA              | 6        |
| Voltage type   |                 | AC       |
| Rated short-circuit breaking capacity $I_{cn}$ according to EN 60898 at 400 V    | kA              | 6        |
| Rated short-circuit breaking capacity $I_{cu}$ according to IEC 60947-2 at 230 V | kA              | 10       |
| Rated short-circuit breaking capacity $I_{cu}$ according to IEC 60947-2 at 400 V | kA              | 10       |
| Frequency  | Hz              | 50 - 60  |
| 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  |                 | 1        |
| 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   |
| Explosion-proof  |                 | No       |