

**Miniature circuit breaker (MCB), 30 A, 1p, characteristic: C, DC, ring tongue**



**Part no. FAZ-C30/1-RT-DC  
305882**

| <b>General specifications</b>                                |  |   |
|--|--|---|
| Product name   |  | Eaton Moeller series xEffect - FAZ-DC MCB |
| Part no.   |  | FAZ-C30/1-RT-DC                           |
| EAN  |  | 9010238216877                             |
| Product Length/Depth   |  | 105 millimetre                            |
| Product height   |  | 75.5 millimetre                           |
| Product width  |  | 17.7 millimetre                           |
| Product weight   |  | 0.129 kilogram                            |
| Compliances  |  | RoHS conform                              |
| Certifications   |  | EN45545-2<br>IEC 61373                    |
| Product Tradename  |  | xEffect - FAZ-DC                          |
| Product Type   |  | MCB                                       |
| Product Sub Type   |  | None                                      |
| <b>Delivery program</b>                                      |  |   |
| Number of poles  |  | Single-pole                               |
| Number of poles (total)                                      |  | 1   |
| Number of poles (protected)                                  |  | 1   |
| Tripping characteristic                                      |  | C   |
| Release characteristic                                       |  | C   |
| Amperage Rating  |  | 30 A                                      |
| Type   |  | FAZ-DC<br>Miniature circuit breaker       |
| <b>Technical Data - Electrical</b>                           |  |   |
| Voltage type   |  | DC  |
| Rated operational voltage (Ue) - max                         |  | 250 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)                    |  | 10 kA                                     |
| Rated short-circuit breaking capacity (EN 60898) at 230 V    |  | 0 kA                                      |
| Rated short-circuit breaking capacity (EN 60898) at 400 V    |  | 0 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                                     |
| Selectivity class  |  | 3   |
| Lifespan, electrical   |  | 4000 operations                           |
| Overvoltage category   |  | III                                       |
| Pollution degree   |  | 2   |
| <b>Technical Data - Mechanical</b>                           |  |   |
| Frame  |  | 45 mm                                     |
| Width in number of modular spacings                          |  | 1   |
| Built-in depth   |  | 75.5 mm                                   |
| Mounting width   |  | 17.7 mm                                   |
| Mounting width per pole                                      |  | 17.7 mm                                   |
| Mounting position  |  | As required                               |
| Degree of protection   |  | IP20                                      |
| Terminals (top and bottom)                                   |  | Lift terminals                            |

|   |  |  |
|---|--|--|
| 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>                             |
| Terminal capacity (control cable)                               |  | 25 mm <sup>2</sup> (1x)                        |
| Terminal protection   |  | Finger and hand touch safe, DGUV VS3, EN 50274 |
| Lifespan, mechanical  |  | 20000 operations                               |
| <b>Design verification as per IEC/EN 61439 - technical data</b> |  |  |
| Ambient operating temperature - min                             |  | -25 °C   |
| Ambient operating temperature - max                             |  | 75 °C  |
| <b>Additional information</b>                                   |  |  |
| Current limiting class  |  | 3  |
| Features  |  | Additional equipment possible                  |

## Technical data ETIM 9.0

|   |                 |          |
|---|-----------------|----------|
| 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@ss13-27-14-19-01 [AAB905019]) |                 |          |
| Built-in depth  | mm              | 75.5     |
| Release characteristic  |                 | C        |
| Number of poles (total)   |                 | 1        |
| Number of protected poles   |                 | 1        |
| Rated current   | A               | 30       |
| Rated voltage   | V               | 250      |
| Rated insulation voltage U <sub>i</sub>   | V               | 440      |
| Rated impulse withstand voltage U <sub>imp</sub>  | kV              | 4        |
| Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 230 V  | kA              | 0        |
| Voltage type  |                 | DC       |
| Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 400 V  | kA              | 0        |
| Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 230 V   | kA              | 10       |
| Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 400 V   | kA              | 10       |
| Frequency   | Hz              | 50 - 60  |
| Power loss  | W               | 3        |
| 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       |