

## Miniature circuit breaker (MCB), 10 A, 2p, characteristic: C, DC

**Part no.**                   **FAZ-C10/2-DC**  
**279138**  
**EL Number**               **1691504**  
**(Norway)**

| <b>General specifications</b>                                |  |   |
|--|--|---|
| Product name   |  | Eaton Moeller series xEffect - FAZ-DC MCB |
| Part no.   |  | FAZ-C10/2-DC                              |
| EAN  |  | 4015082791384                             |
| Product Length/Depth   |  | 80 millimetre                             |
| Product height   |  | 75.5 millimetre                           |
| Product width  |  | 36 millimetre                             |
| Product weight   |  | 0.222 kilogram                            |
| Compliances  |  | RoHS conform                              |
| Certifications   |  | IEC/EN 60947-2<br>EN45545-2<br>IEC 61373  |
| Product Tradename  |  | xEffect - FAZ-DC                          |
| Product Type   |  | MCB                                       |
| Product Sub Type   |  | None                                      |
| <b>Delivery program</b>                                      |  |   |
| Application  |  | Switchgear for DC applications            |
| Number of poles  |  | Two-pole                                  |
| Number of poles (total)                                      |  | 2   |
| Number of poles (protected)                                  |  | 2   |
| Tripping characteristic                                      |  | C   |
| Release characteristic                                       |  | C   |
| Amperage Rating  |  | 10 A                                      |
| Type   |  | FAZ-DC<br>Miniature circuit breaker       |
| <b>Technical Data - Electrical</b>                           |  |   |
| Voltage type   |  | DC  |
| Voltage rating at DC   |  | 250 V DC (per pole)                       |
| 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                                     |
| Admissible back-up fuse - max                                |  | 100 A gL/gG                               |
| Selectivity class  |  | 3   |
| Lifespan, electrical   |  | 10000 operations                          |
| Overvoltage category   |  | III                                       |
| Pollution degree   |  | 2   |
| Direction of incoming supply                                 |  | Polarity dependent                        |
| <b>Technical Data - Mechanical</b>                           |  |   |
| Frame  |  | 45 mm                                     |
| Enclosure width  |  | 80 mm                                     |
| Width in number of modular spacings                          |  | 2   |
| Built-in depth   |  | 70.5 mm                                   |

|  |  |   |
|--|--|---|
| Mounting width   |  | 17.5 mm   |
| Mounting width per pole  |  | 17.5 mm   |
| Mounting Method  |  | Top-hat rail IEC/EN 60715   |
| Mounting position  |  | As required   |
| Degree of protection   |  | IP20<br>IP40 (when fitted)  |
| Terminals (top and bottom)   |  | Twin-purpose 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 of screw terminals for main cable                        |  | 10 mm <sup>2</sup> (2x)   |
| Terminal capacity (control cable)  |  | 25 mm <sup>2</sup> (1x)   |
| Terminal protection  |  | Finger and hand touch safe, DGUV VS3, EN 50274  |
| Busbar material thickness  |  | 0.8 mm - 2 mm   |
| <b>Design verification as per IEC/EN 61439 - technical data</b>            |  |   |
| Rated operational current for specified heat dissipation (I <sub>n</sub> ) |  | 10 A  |
| Heat dissipation per pole, current-dependent                               |  | 0 W   |
| Equipment heat dissipation, current-dependent                              |  | 3 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   |
| <b>Additional information</b>  |  |   |
| Current limiting class   |  | 3   |
| Features   |  | Additional equipment possible   |
| Special features   |  | Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |
| Used with  |  | Miniature circuit breaker<br>FAZ-DC   |

## 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 | 70.5    |
| Release characteristic  |    | C       |
| Number of poles (total)   |    | 2       |
| Number of protected poles   |    | 2       |
| Rated current   | A  | 10      |
| 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  | 3.5     |
| 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             |  |                 | 2        |
| 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       |