

|   |   |         |                 |     |
|---|---|---------|-----------------|-----|
| Product designation                       | Miniature circuit breaker (MCB)                       |         |                 |     |
| Product type designation                  | P2 MB   |         |                 |     |
| Number of DIN modules                     | 4.5   |         |                 |     |
| Compliance                                | IEC / UL1077  |         |                 |     |
| <b>Electrical features</b>                |   |         |                 |     |
| Rated insulation voltage $U_i$ IEC/EN     | V   | 400     |                 |     |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 6       |                 |     |
| Rated operational voltage AC (IEC)        | VAC   | 230/400 |                 |     |
| Rated frequency                           | Hz  | 50/60   |                 |     |
| Rated current ( $I_n$ )                   | A   | 100     |                 |     |
| Tripping curve                            | C   |         |                 |     |
| Short circuit rating (IEC)                | kA  | 10      |                 |     |
| Power dissipation per pole max            | W   | 14      |                 |     |
| <b>Ambient conditions</b>                 |   |         |                 |     |
| Operating temperature                     | min   | °C      | -40             |     |
|   | max   | °C      | +70             |     |
| Storage temperature                       | min   | °C      | -40             |     |
|   | max   | °C      | +80             |     |
| Max altitude                              | m   | 2000    |                 |     |
| <b>Mechanical features</b>                |   |         |                 |     |
| Operating position                        | normal  |         | Vertical plan   |     |
|   |   |         | 35mm DIN rail   |     |
| Fixing                                    | 35mm DIN rail   |         |                 |     |
| Tightening torque for terminals           | min   | Nm      | 3.2             |     |
|   | max   | Nm      | 3.5             |     |
|   | min   | Ibin    | 28.3            |     |
|   | max   | Ibin    | 31              |     |
| Terminals tool                            | Pz 2  |         |                 |     |
| Conductor section                         | IEC   | min     | mm <sup>2</sup> | 2.5 |
|   |   | max     | mm <sup>2</sup> | 50  |
|   | AWG/Kcmil   | min     | 14              |     |
|   |   | max     | 1/0             |     |
| Weight                                    | g   |         | 510             |     |
| Frontal IP degree                         | IP20  |         |                 |     |
| Pollution degree                          | 3   |         |                 |     |
| <b>Dimensions</b>                         |   |         |                 |     |
| <b>Wiring diagrams</b>                    |   |         |                 |     |
| <b>Certifications and compliance</b>      |   |         |                 |     |
| Compliance                                | CSA C22.2 n°235. UR "UL Recognized" per Canada e USA. |         |                 |     |
|   | IEC/EN 60947-2  |         |                 |     |
|   | UL 1077   |         |                 |     |
| Certifications                            | cURus   |         |                 |     |
|   | EAC   |         |                 |     |

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TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000042 -  
Miniature circuit  
breaker (MCB)