

|   |   |                 |      |
|---|---|-----------------|------|
| Product designation                       | Miniature circuit breaker (MCB)                       |                 |      |
| Product type designation                  | P1 MB   |                 |      |
| Number of DIN modules                     | 4   |                 |      |
| Compliance                                | IEC / UL1077  |                 |      |
| <b>Electrical features</b>                |   |                 |      |
| Rated insulation voltage $U_i$ IEC/EN     | V   | 440             |      |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 4               |      |
| Rated operational voltage AC (IEC)        | VAC   | 230/400         |      |
| Rated frequency                           | Hz  | 50/60           |      |
| Rated current ( $I_n$ )                   | A   | 10              |      |
| Tripping curve                            | B   |                 |      |
| Short circuit rating (IEC)                | kA  | 10              |      |
| Power dissipation per pole max            | W   | 1.25            |      |
| <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   |      |
| Fixing                                    | 35mm DIN rail   |                 |      |
| Tightening torque for terminals           | min   | Nm              | 1.8  |
|   | max   | Nm              | 2    |
|   | min   | Ibin            | 16   |
|   | max   | Ibin            | 17.7 |
| Terminals tool                            | Pz 2  |                 |      |
| Conductor section                         | IEC   |                 |      |
|   | min   | mm <sup>2</sup> | 1    |
|   | max   | mm <sup>2</sup> | 35   |
|   | AWG/Kcmil   |                 |      |
|   | min   | 14              |      |
|   | max   | 6               |      |
| Weight                                    | g   |                 | 460  |
| Frontal IP degree                         | IP20  |                 |      |
| Pollution degree                          | 2   |                 |      |
| <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 60898-1  |                 |      |
|   | IEC/EN 60947-2  |                 |      |
|   | UL 1077   |                 |      |
| Certifications                            | cURus   |                 |      |

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EAC

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TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000042 -  
Miniature circuit  
breaker (MCB)