

|   |                                 |               |                 |    |
|---|---------------------------------|---------------|-----------------|----|
| Product designation                       | Miniature circuit breaker (MCB) |               |                 |    |
| Product type designation                  | P1 MB                           |               |                 |    |
| Number of DIN modules                     | 3                               |               |                 |    |
| Compliance                                | IEC / UL489                     |               |                 |    |
| <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 operational voltage AC (UL)         | V                               | 480Y/277      |                 |    |
| Rated frequency                           | Hz                              | 50/60         |                 |    |
| Rated current ( $I_n$ )                   | A                               | 7             |                 |    |
| Tripping curve                            | C                               |               |                 |    |
| Short circuit rating (IEC)                | kA                              | 10            |                 |    |
| Short circuit rating (UL)                 | 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                             | lbin          | 16              |    |
|   | max                             | lbin          | 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                               |               | 388             |    |
| Frontal IP degree                         | IP20                            |               |                 |    |
| Pollution degree                          | 2                               |               |                 |    |
| <b>Dimensions</b>                         |                                 |               |                 |    |
| <b>Wiring diagrams</b>                    |                                 |               |                 |    |
| <b>Certifications and compliance</b>      |                                 |               |                 |    |
| Compliance                                | IEC/EN 60947-2                  |               |                 |    |
|   | UL489                           |               |                 |    |
| Certifications                            | cULus                           |               |                 |    |

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EAC

ETIM classification

ETIM 8.0

EC000042 -  
Miniature circuit  
breaker (MCB)