



|                          |                                 |
|--------------------------|---------------------------------|
| Product designation      | Miniature circuit breaker (MCB) |
| Product type designation | P1 MB                           |
| Number of poles          | 1P                              |
| Number of DIN modules    | 1                               |
| Compliance               | IEC / UL489                     |

### Electrical features

|   |        |         |
|---|--------|---------|
| 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      | 120     |
| Rated operational voltage DC              | VDC    | 60      |
| Rated frequency                           | Hz     | 50/60   |
| Rated current ( $I_n$ )                   | A      | 35      |
| Tripping curve                            |        | D       |
| Short circuit rating (IEC)                | kA     | 10      |
| Short circuit rating (UL)                 | kA     | 10      |
| Electrical life                           | cycles | 10000   |
| Power dissipation per pole max            | W      | 2.46    |

### Ambient conditions

|                       |     |    |      |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -40  |
|                       | max | °C | +70  |
| Storage temperature   | min | °C | -40  |
|                       | max | °C | +80  |
| Max altitude          |     | m  | 2000 |

### Mechanical features

|                                 |           |        |                 |    |
|---------------------------------|-----------|--------|-----------------|----|
| 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  |
| Mechanical life                 |           | cycles | 20000           |    |

|                   |   |      |
|-------------------|---|------|
| Weight            | g | 133  |
| Frontal IP degree |   | IP20 |
| Pollution degree  |   | 2    |

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

|            |                |
|------------|----------------|
| Compliance | IEC/EN 60947-2 |
|            | UL489          |

|                |       |
|----------------|-------|
| Certifications | cULus |
|                | EAC   |

**ETIM classification**

|          |  |
|----------|--|
| ETIM 8.0 | EC000042 - Miniature circuit breaker (MCB) |
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