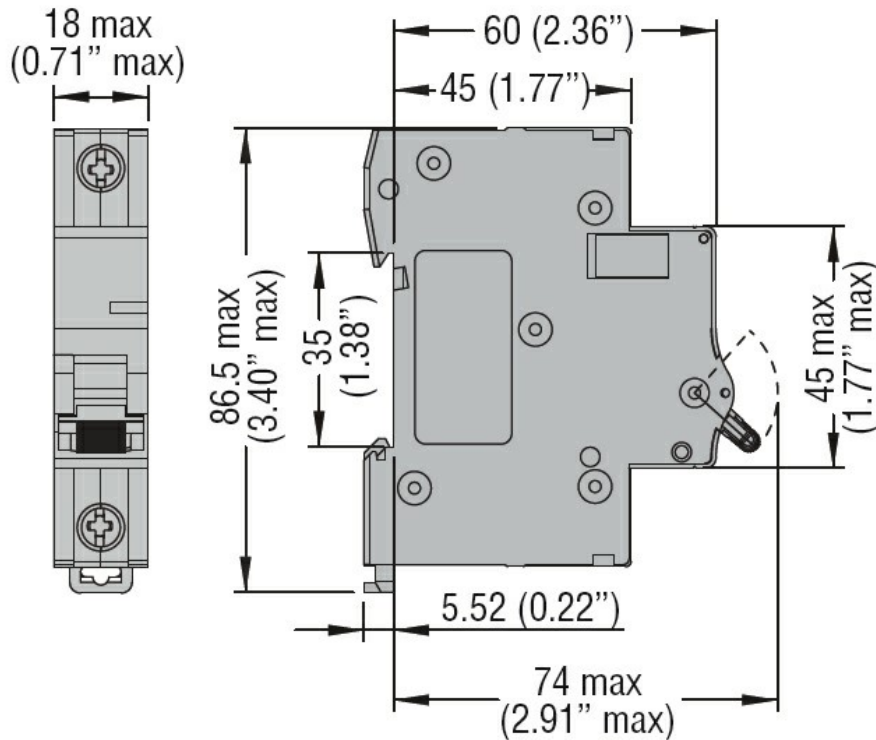




|   |                                 |               |                 |    |
|---|---------------------------------|---------------|-----------------|----|
| Product designation                       | Miniature circuit breaker (MCB) |               |                 |    |
| Product type designation                  | P1 MB                           |               |                 |    |
| Number of poles                           | 1P                              |               |                 |    |
| Number of DIN modules                     | 1                               |               |                 |    |
| 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           |                 |    |
| Rated operational voltage DC              | VDC                             | 80            |                 |    |
| Rated frequency                           | Hz                              | 50/60         |                 |    |
| Rated current ( $I_n$ )                   | A                               | 8             |                 |    |
| Tripping curve                            | B                               |               |                 |    |
| Short circuit rating (IEC)                | kA                              | 10            |                 |    |
| Electrical life                           | cycles                          | 10000         |                 |    |
| Power dissipation per pole max            | W                               | 0.96          |                 |    |
| <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               |    |
|   | Mechanical life                 | cycles        | 20000           |    |
|   | Weight                          | g             | 115             |    |
| Frontal IP degree                         | IP20                            |               |                 |    |

|  |       |
|--|-------|
| Pollution degree   | 2     |
| Grid distance as per Annex H.1 of IEC/EN60898-1 standard | mm 60 |

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

|                |   |
|----------------|---|
| 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   |
|                | EAC   |
|                | TÜV-Rheinland   |

**ETIM classification**

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