



Product designation

Miniature circuit  
breaker (MCB)

Product type designation

P1 MB

Number of poles

1P+N

Number of DIN modules

1

Compliance

IEC

### 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   |
| Rated frequency                           | Hz     | 50/60 |
| Rated current ( $I_n$ )                   | A      | 16    |
| Tripping curve                            |        | C     |
| Short circuit rating (IEC)                | kA     | 6     |
| Electrical life                           | cycles | 10000 |
| Power dissipation per pole max            | W      | 1.69  |

### 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   | 1.1  |
| max | Nm   | 1.2  |
| min | lbin | 9.7  |
| max | lbin | 10.6 |

Terminals tool

Pz 2

Conductor section

IEC

|     |                 |    |
|-----|-----------------|----|
| min | mm <sup>2</sup> | 1  |
| max | mm <sup>2</sup> | 16 |

AWG/Kcmil

|     |  |    |
|-----|--|----|
| min |  | 14 |
| max |  | 6  |

Mechanical life

cycles 20000

Weight

g 115

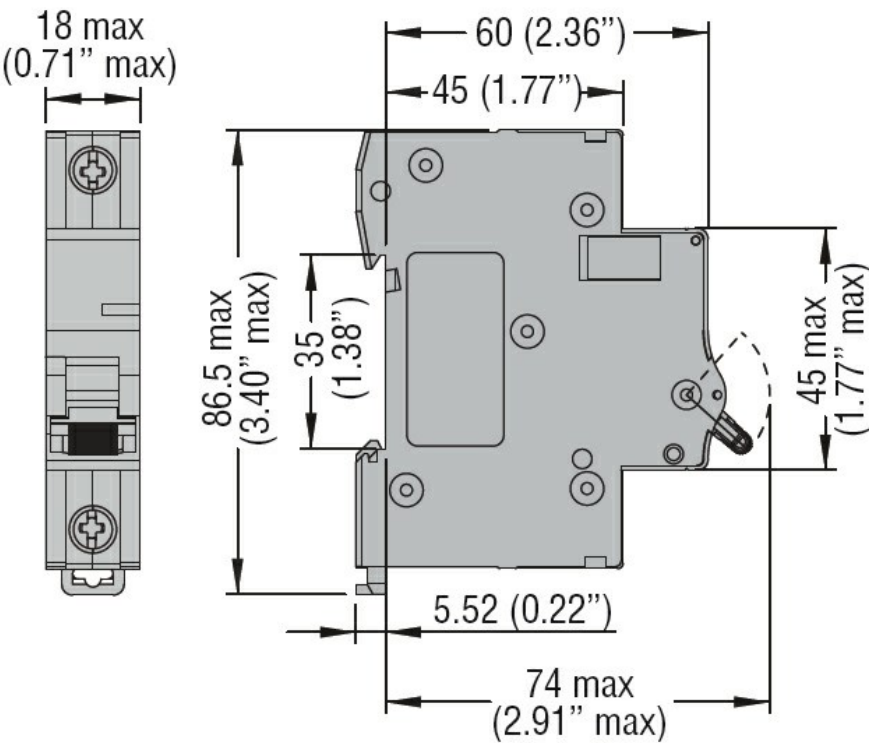
Frontal IP degree

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     | IEC/EN 60898-1 |
|                | IEC/EN 60947-2 |
| Certifications | EAC            |
|                | TÜV-Rheinland  |

ETIM classification

|          |  |
|----------|--|
| ETIM 8.0 | EC000042 -<br>Miniature circuit<br>breaker (MCB) |
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