



Product designation

Miniature circuit  
breaker (MCB)

Product type designation

P1 MB

Number of poles

2P

Number of DIN modules

2

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      | 480Y/277 |
| Rated operational voltage DC              | VDC    | 125      |
| Rated frequency                           | Hz     | 50/60    |
| Rated current ( $I_n$ )                   | A      | 20       |
| Tripping curve                            |        | C        |
| Short circuit rating (IEC)                | kA     | 10       |
| Short circuit rating (UL)                 | kA     | 10       |
| Electrical life                           | cycles | 10000    |
| Power dissipation per pole max            | W      | 1.56     |

### 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

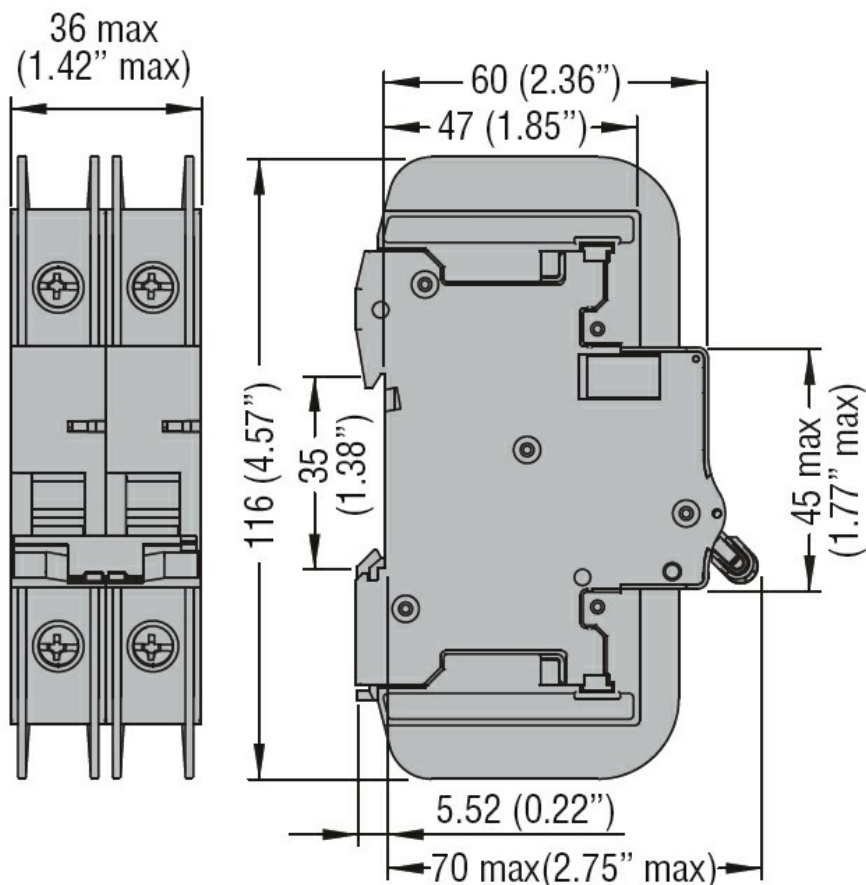
|     |  |    |
|-----|--|----|
| min |  | 14 |
| max |  | 6  |

Mechanical life

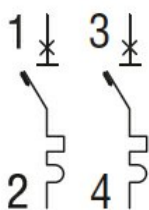
cycles 20000

|                   |   |      |
|-------------------|---|------|
| Weight            | g | 255  |
| 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 -  
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