



Product designation

Miniature circuit  
breaker (MCB)

Product type designation

P1 MB

Number of poles

3P

Number of DIN modules

3

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 frequency                           | Hz     | 50/60    |
| Rated current ( $I_n$ )                   | A      | 32       |
| 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      | 2.46     |

### Ambient conditions

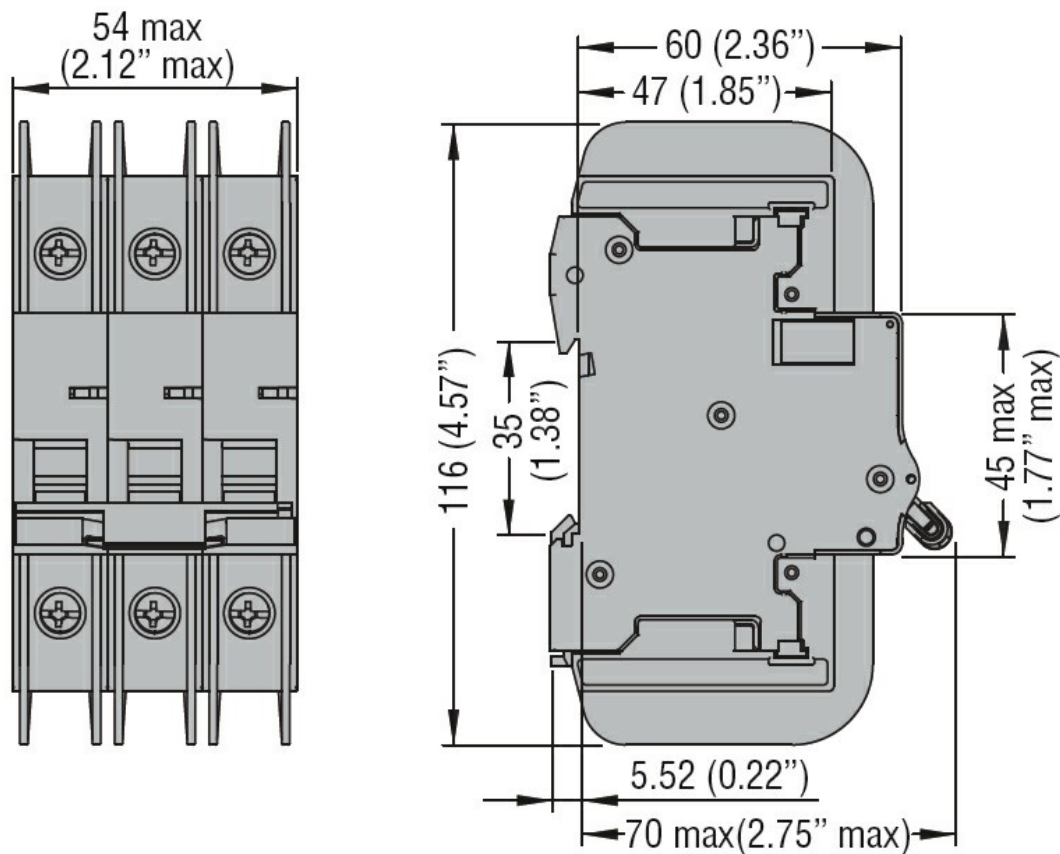
|                       |     |    |      |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -40  |
|                       | max | °C | +70  |
| Storage temperature   | min | °C | -40  |
|                       | max | °C | +80  |
| Max altitude          | m   |    |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

### Mechanical features

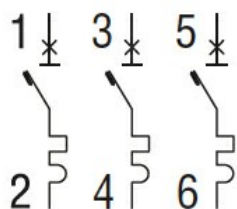
|                                 |           |                 |               |
|---------------------------------|-----------|-----------------|---------------|
| Operating position              | normal    |                 | Vertical plan |
| Fixing                          |           |                 | 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         |                 | 388           |

|                   |      |
|-------------------|------|
| 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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