



Product designation

Miniature circuit  
breaker (MCB)

Product type designation

P1 MB

Number of poles

4P

Number of DIN modules

4

Compliance

IEC / UL1077

### 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 frequency                           | Hz     | 50/60   |
| Rated current ( $I_n$ )                   | A      | 10      |
| Tripping curve                            |        | D       |
| Short circuit rating (IEC)                | kA     | 10      |
| Electrical life                           | cycles | 10000   |
| Power dissipation per pole max            | W      | 1.25    |

### Ambient conditions

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

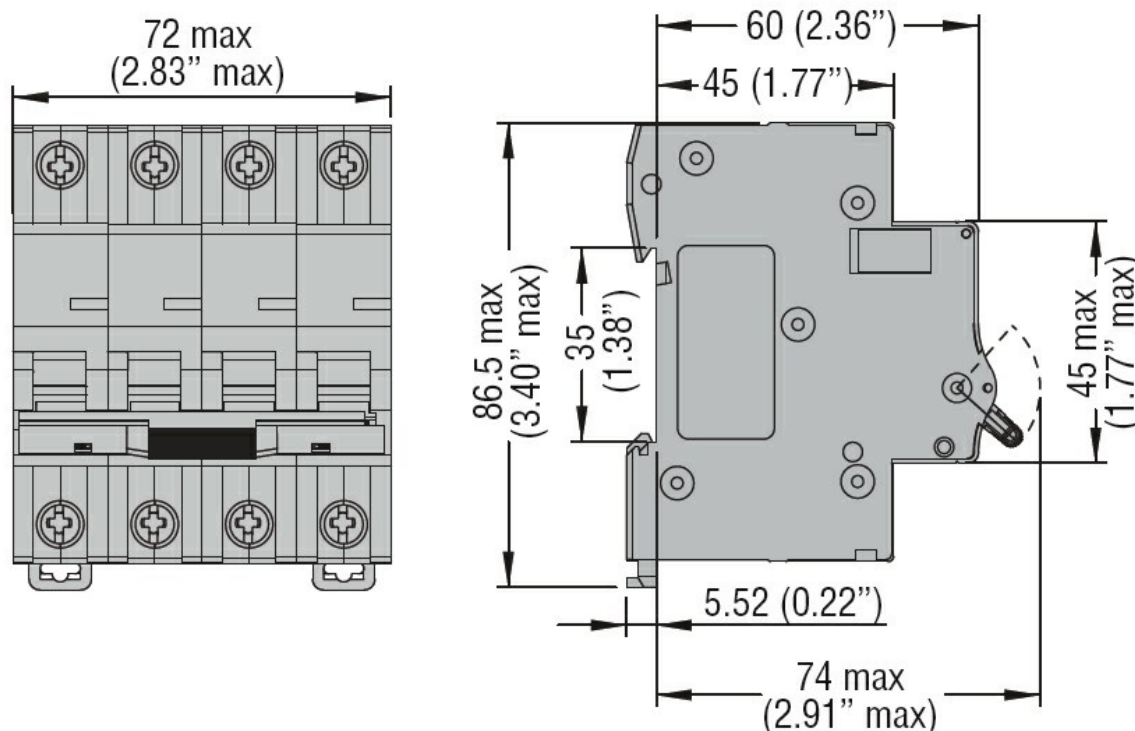
### Mechanical features

|                                 |  |               |       |               |
|---------------------------------|--|---------------|-------|---------------|
| 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           | mm²   | 1             |
|                                 |  | max           | mm²   | 35            |
| AWG/Kcmil                       |  | min           |       | 14            |
|                                 |  | max           |       | 6             |
| Mechanical life                 |  | cycles        | 20000 |               |
| Weight                          |  | g             | 460   |               |
| Frontal IP degree               |  | IP20          |       |               |
| Pollution degree                |  | 2             |       |               |

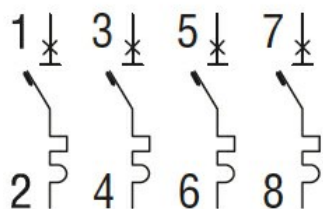
Grid distance as per Annex H.1 of IEC/EN60898-1 standard

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)