



Product designation

Miniature circuit
breaker (MCB)

Product type designation

P1 MB

Number of poles

1P

Number of DIN modules

1

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 |
| Rated operational voltage DC | VDC | 80 |
| Rated frequency | Hz | 50/60 |
| Rated current (I_n) | A | 50 |
| Tripping curve | | C |
| Short circuit rating (IEC) | kA | 10 |
| Electrical life | cycles | 10000 |
| Power dissipation per pole max | W | 3.5 |

Ambient conditions

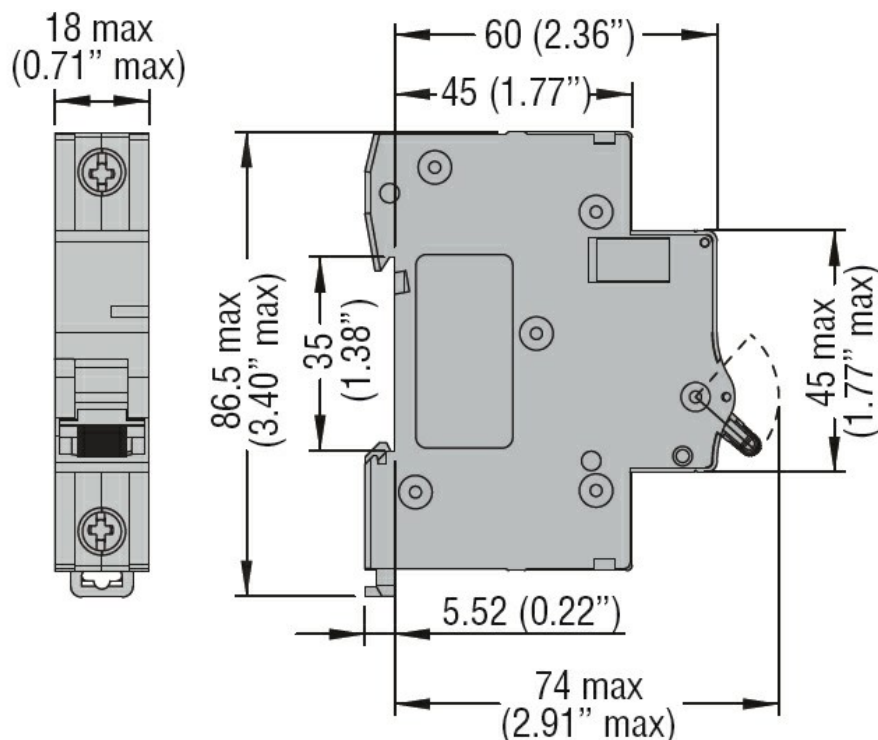
| | | | |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -40 |
| | max | °C | +70 |
| Storage temperature | min | °C | -40 |
| | max | °C | +80 |
| Max altitude | m | | 2000 |

Mechanical features

| | | | |
|---------------------------------|-----------|-----------------|---------------|
| Operating position | normal | | Vertical plan |
| | | | 35mm DIN rail |
| Fixing | | | |
| 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 ² | 1 |
| | max | mm ² | 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 -
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