



|                                      |  |  |                                 |         |               |
|--------------------------------------|--|--|---------------------------------|---------|---------------|
| Product designation                  |  |  | Miniature circuit breaker (MCB) |         |               |
| Product type designation             |  |  | P1 MB                           |         |               |
| Number of poles                      |  |  | 1P                              |         |               |
| Number of DIN modules                |  |  | 1                               |         |               |
| Compliance                           |  |  | IEC / UL489                     |         |               |
| Electrical features                  |  |  |                                 |         |               |
| Rated insulation voltage Ui IEC/EN   |  |  | V                               | 440     |               |
| Rated impulse withstand voltage Uimp |  |  | kV                              | 4       |               |
| Rated operational voltage AC (IEC)   |  |  | VAC                             | 230/400 |               |
| Rated operational voltage AC (UL)    |  |  | V                               | 277     |               |
| Rated operational voltage DC         |  |  | VDC                             | 60      |               |
| Rated frequency                      |  |  | Hz                              | 50/60   |               |
| Rated current (In)                   |  |  | A                               | 1       |               |
| Tripping curve                       |  |  | D                               |         |               |
| Short circuit rating (IEC)           |  |  | kA                              | 10      |               |
| Short circuit rating (UL)            |  |  | kA                              | 10      |               |
| Electrical life                      |  |  | cycles                          | 10000   |               |
| Power dissipation per pole max       |  |  | W                               | 1.07    |               |
| 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                             | mm²     | 1             |
|                                      |  |  | max                             | mm²     | 35            |
|                                      |  |  | AWG/Kcmil                       |         |               |
|                                      |  |  | min                             |         | 14            |
|                                      |  |  | max                             |         | 6             |
| Mechanical life                      |  |  | cycles                          | 20000   |               |

|                   |   |      |
|-------------------|---|------|
| Weight            | g | 133  |
| 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 -  
Miniature circuit  
breaker (MCB)