



Residual current  
circuit breaker  
with overcurrent  
protection  
(RCBO)  
P1 RB  
1P+N  
2  
IEC

Product designation

Product type designation

Number of poles

Number of DIN modules

Compliance

**Electrical features**

|   |     |       |
|---|-----|-------|
| Rated insulation voltage $U_i$ IEC/EN     | V   | 400   |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 4     |
| Rated operational voltage AC (IEC)        | VAC | 230   |
| Rated frequency                           | Hz  | 50/60 |
| Rated current ( $I_n$ )                   | A   | 16    |
| Tripping curve                            |     | C     |
| Residual operation characteristic         |     | A     |
| Rated residual current                    | mA  | 30    |
| Short circuit rating (IEC)                | kA  | 10    |
| Power dissipation per pole max            | W   | 2.4   |

**Ambient conditions**

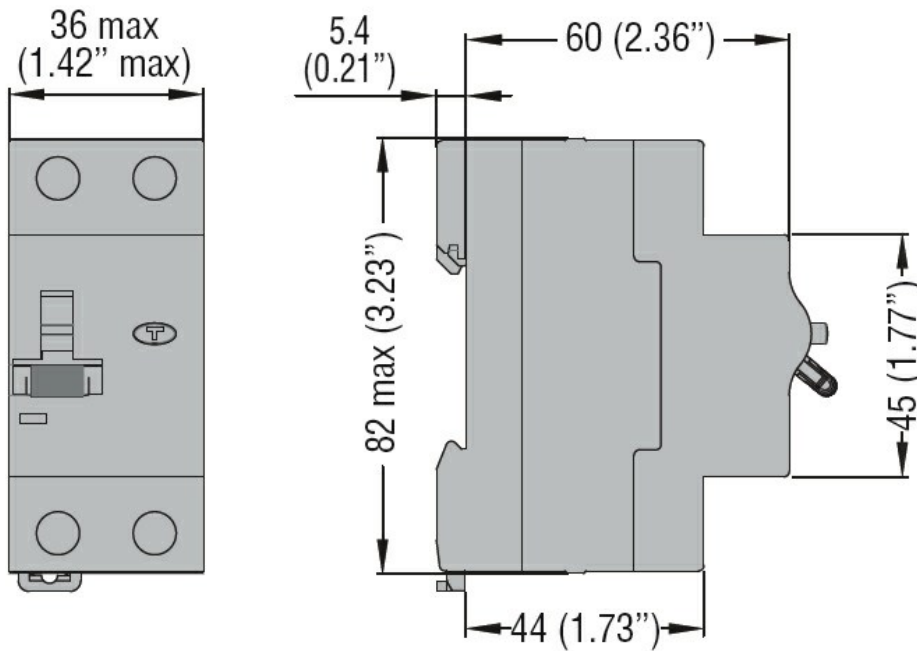
|                       |     |    |      |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -35  |
|                       | max | °C | 70   |
| Storage temperature   | min | °C | -40  |
|                       | max | °C | 80   |
| Max altitude          | m   |    | 2000 |

**Mechanical features**

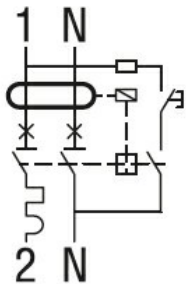
|                                 |           |      |                 |    |
|---------------------------------|-----------|------|-----------------|----|
| Operating position              | normal    |      |                 |    |
|                                 |           |      | Vertical plan   |    |
| 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> | 25 |
|                                 | AWG/Kcmil | min  |                 | 16 |
|                                 |           | max  |                 | 3  |
| Weight                          |           | g    | 205             |    |

|                   |      |
|-------------------|------|
| Frontal IP degree | IP20 |
| Pollution degree  | 2    |

**Dimensions [mm (in)]**



**Wiring diagrams**



**Certifications and compliance**

|                |                      |
|----------------|----------------------|
| Compliance     | IEC/EN 61009-1       |
| Certifications | EAC<br>TÜV-Rheinland |

**ETIM classification**

|          |  |
|----------|--|
| ETIM 8.0 | EC000905 -<br>Earth leakage<br>circuit breaker |
|----------|--|