



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   | 25    |
| Tripping curve                            |     | C     |
| Residual operation characteristic         |     | AC    |
| Rated residual current                    | mA  | 30    |
| Short circuit rating (IEC)                | kA  | 10    |
| Power dissipation per pole max            | W   | 3.5   |

**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 |
|                    |        | 35mm DIN rail |

|                                 |     |      |      |
|---------------------------------|-----|------|------|
| Tightening torque for terminals | min | Nm   | 1.8  |
|                                 | max | Nm   | 2    |
|                                 | min | lbin | 16   |
|                                 | max | lbin | 17.7 |

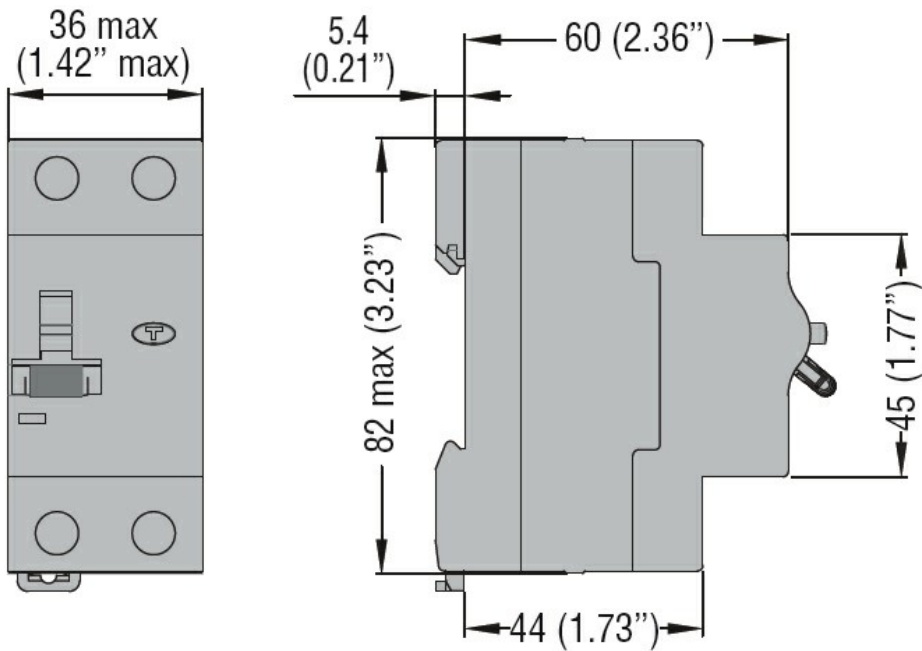
|                |  |      |
|----------------|--|------|
| Terminals tool |  | Pz 2 |
|----------------|--|------|

|                   |           |     |                 |    |
|-------------------|-----------|-----|-----------------|----|
| 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**



**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 |
|----------|--|