



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   | 20    |
| Tripping curve                            |     | C     |
| Residual operation characteristic         |     | AC    |
| Rated residual current                    | mA  | 300   |
| Short circuit rating (IEC)                | kA  | 10    |
| Power dissipation per pole max            | W   | 3     |

**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

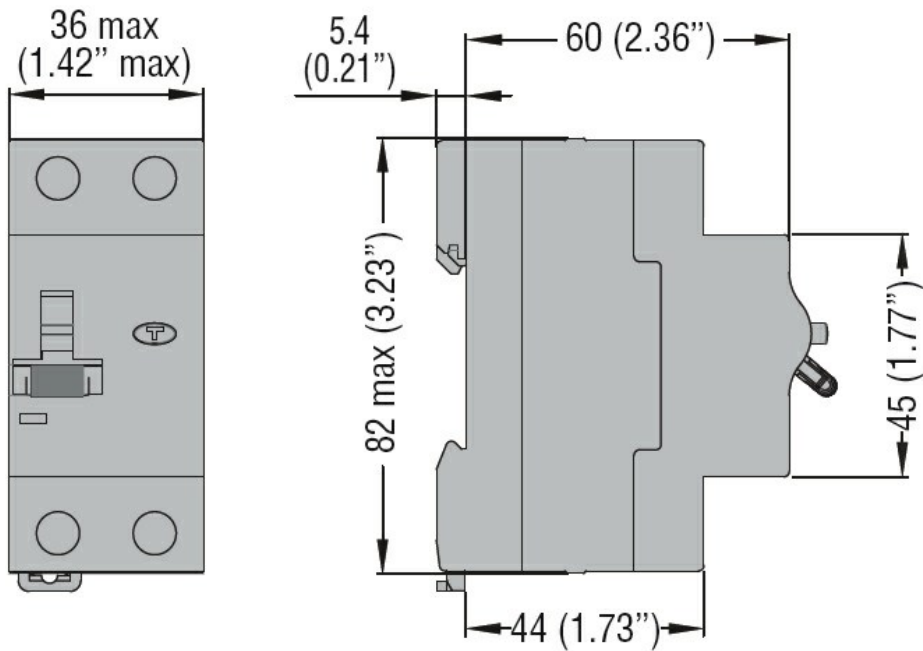
|     |  |    |
|-----|--|----|
| min |  | 16 |
| max |  | 3  |

Weight

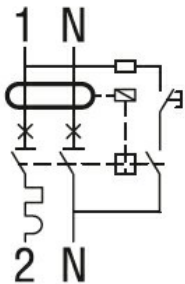
g 205

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

**Dimensions**



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