



Residual current  
circuit breakers  
(RCCB) with  
overcurrent  
protection  
P1RE  
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      | 6     |
| Tripping curve                            |        | C     |
| Residual operation characteristic         |        | A     |
| Rated residual current                    | mA     | 30    |
| Short circuit rating (IEC)                | kA     | 10    |
| Electrical life                           | cycles | 10000 |

#### Ambient conditions

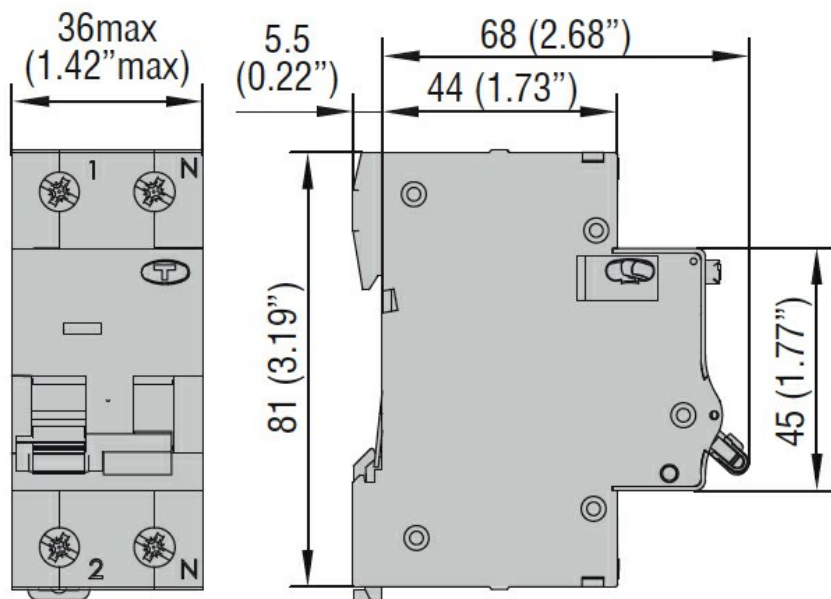
|                       |     |    |      |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -25  |
|                       | max | °C | +60  |
| Storage temperature   | min | °C | -40  |
|                       | max | °C | +80  |
| Max altitude          |     | m  | 2000 |

#### Mechanical features

|                                 |           |                 |               |
|---------------------------------|-----------|-----------------|---------------|
| Operating position              | normal    |                 | Vertical plan |
|                                 |           |                 | 35mm DIN rail |
| Fixing                          |           |                 |               |
| Tightening torque for terminals | max       | Nm              | 2             |
|                                 | max       | lbin            | 15            |
| Terminals tool                  | Pz 2      |                 |               |
| Conductor section               | IEC       |                 |               |
|                                 | min       | mm <sup>2</sup> | 1             |
|                                 | max       | mm <sup>2</sup> | 16            |
|                                 | AWG/Kcmil |                 |               |
|                                 | min       |                 | 16            |
|                                 | max       |                 | 3             |
| Mechanical life                 |           | cycles          | 20000         |
| Weight                          |           | g               | 205           |

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

#### Dimensions



#### Certifications and compliance

##### Compliance

IEC/EN/BS 61009-1

##### Certifications

EAC

TÜV-SUD

#### ETIM classification

ETIM 8.0

EC000905 -  
Earth leakage  
circuit breaker