



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      | 32    |
| Tripping curve                            |        | C     |
| Residual operation characteristic         |        | A     |
| Rated residual current                    | mA     | 300   |
| 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

Fixing

35mm DIN rail

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

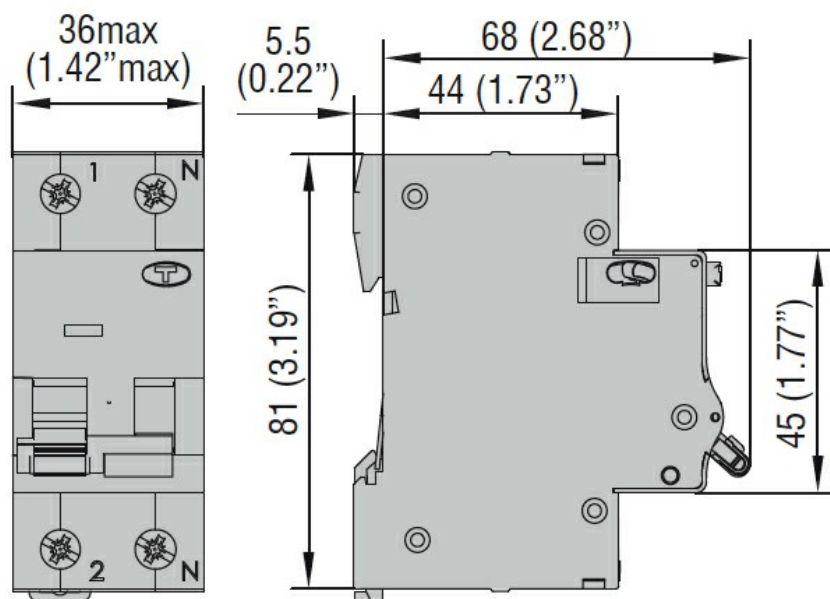
cycles 20000

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