



## IDA-EV-40-30

IDA-EV-40-30, Residual current relay Type A

Code: P17321.

- > Poles: 4
- > In (A): 40 A
- > Sensitivity: 30 mA + 6 mAdc
- > Mounting: DIN rail

### Description

**IDA-EV** is a 6mA<sub>dc</sub> type-A RCCB with monitoring for use in electric vehicle chargers. Compact RCCB that provides residual current protection, with a sensitivity of 30 mA and 6 mA<sub>dc</sub> monitoring for use in electric vehicle charging stations. Available in 40 and 63 A nominal current gauges, for three-phase and single-phase connections. It guarantees adequate protection at electric vehicle charging points, in accordance with the **IEC 62955** standard.

### Application

Device specifically designed to provide residual current protection of electric vehicle charging stations.



## IDA-EV-40-30

Type A RCCB with 6 mAdc monitoring

Code: P17321.

### Specifications

#### AC power supply

|                 |                   |
|-----------------|-------------------|
| Frequency       | 50/60 Hz          |
| Nominal voltage | 400 V ~ / 415 V ~ |

#### Electrical characteristics

|                     |                  |
|---------------------|------------------|
| Mechanical life     | 10000 operations |
| Electrical lifetime | 2000 cycles      |

#### Mechanical characteristics

|                                  |                               |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 72 x 87.5 x 68 (mm)           |
| Envelope                         | Self-extinguishing V0 plastic |
| Fastening                        | DIN rail (EN 60715, EN 50022) |
| Weight (kg)                      | 0,38                          |

#### Environmental characteristics

|  |                |
|--|----------------|
| Protection class                         | IP 20          |
| Relative humidity (without condensation) | 5 ... 95%      |
| Storage temperature                      | -40 ... +85 °c |
| Operating temperature                    | -25 ... +65 °C |

#### Current measurement circuit

|                      |      |
|----------------------|------|
| Nominal current (In) | 40 A |
|----------------------|------|

#### Standards

|  |                      |
|--|----------------------|
| Electrical safety, Maximum height (m)    | 2000                 |
| Electrical safety, Installation category | CAT III, IEC 61010   |
| Standards                                | IEC 61008, IEC 62955 |

#### Electrical safety

|            |   |
|------------|---|
| Insulation | Double-insulated electric shock protection class II (IEC 61010-1) |
|------------|---|

#### Differential protection

|                      |  |
|----------------------|--|
| Type                 | Type A+6mAdc                           |
| Sensitivity (IΔn), A | 0,03                                   |
| Delay time (tΔ)      | Instantaneous or General (IEC 61008-1) |

#### IDA-EV

RCCB with 6 mAdc supervision type A



## IDA-EV-40-30

Type A RCCB with 6 mAdc monitoring

Code: P17321.

| CODE    | TYPE         | In (A) | Mounting | Poles | Sensitivity    |
|---------|--------------|--------|----------|-------|----------------|
| P17321. | IDA-EV-40-30 | 40 A   | DIN rail | 4     | 30 mA + 6 mAdc |
| P17322. | IDA-EV-63-30 | 63 A   | DIN rail | 4     | 30 mA + 6 mAdc |

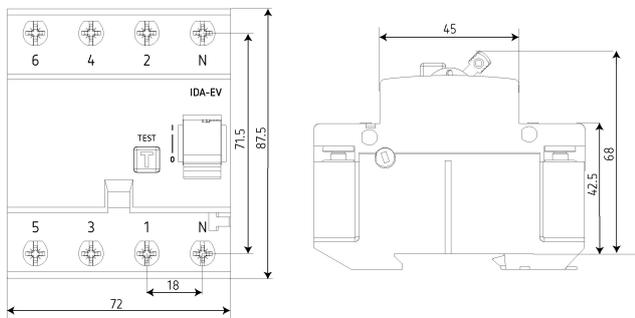


# IDA-EV-40-30

Type A RCCB with 6 mAdc monitoring

Code: P17321.

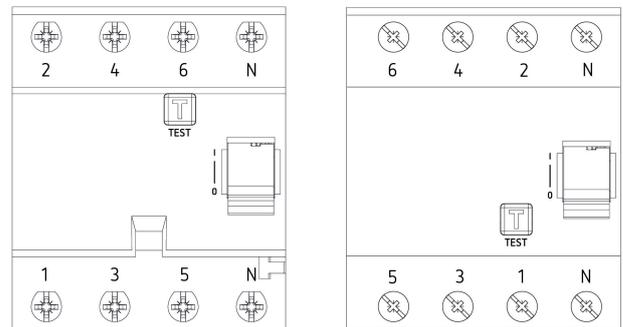
## Dimensions



## Connections

**IMPORTANTE:** Compruebe qué identificación de bornes tiene su dispositivo a instalar. Asegúrese de conectar los cables correctamente conforme a la identificación de los bornes.

**IMPORTANT:** Check the terminal identification of your device to be installed. Be sure to connect the wires correctly according to the terminal identification.



Consulte la guía correspondiente a su equipo aquí:  
Please refer to the manual for your equipment here:

