



## IDB-4 4P-40A-30 mA

IDB-4 4P-40A-30 mA, Residual current relay

Code: P17221.

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

### Description

Residual current protection device for the protection of people and property against fault currents, such as:

- Sinusoidal alternating currents and pulsating residual direct currents.
- Sinusoidal alternating currents, up to 1 kHz.
- Smooth direct currents

For installations up to 40 or 63 A and sensitivities of 30 or 300 mA.  
INSTantaneous tripping curve.

### Application

All electrical installations where process continuity is critical and the protection of persons (30 mA) and machines (300 mA) is required, with non-adjustable immediate activation.

Such as, for example:

- Computer systems (UPS)
- Speed drives
- Photovoltaic installations
- Electric vehicle charging systems



## IDB-4 4P-40A-30 mA

RCCB type B Instantaneous 30 mA and 300 mA

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### Specifications

#### AC power supply

Frequency	50/60 Hz
Nominal voltage	230 V ~ / 400 V ~

#### Electrical characteristics

Mechanical life	4000 operations
Electrical lifetime	2000 cycles

#### Mechanical characteristics

Size (mm) width x height x depth	72 x 80 x 68 (mm)
Fastening	DIN 46277 (EN 50022)
Weight (kg)	0,26

#### Environmental characteristics

Protection class	IP 20 (terminals), IP 41 (rear panel)
Relative humidity (without condensation)	95%
Working temperature	-25 ... +65 °C

#### Current measurement circuit

Nominal current (In)	40 A
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#### Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III
Standards	IEC 61008, IEC 62423, IEC 61008-2-1

#### Electrical safety

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

Type	Type B
Sensitivity (IΔn), A	0,03
Delay time (tΔ)	Instantaneous or General (IEC 61008-1)

**IDB-4**  
Type B RCCB



## IDB-4 4P-40A-30 mA

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CODE	TYPE	In (A)	Mounting	Poles	Sensitivity
P17221.	IDB-4 4P-40A-30 mA	40 A	DIN rail	4	30 mA
P17222.	IDB-4 4P-40A-300 mA	40 A	DIN rail	4	300 mA
P17231.	IDB-4 4P-63A -30 mA	63 A	DIN rail	4	30 mA
P17232.	IDB-4 4P-63A -300mA	63 A	DIN rail	4	300 mA

For three-phase and single-phase networks

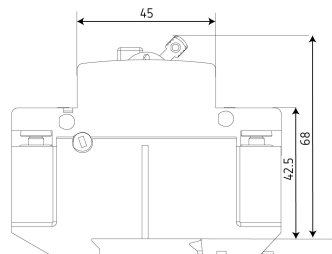
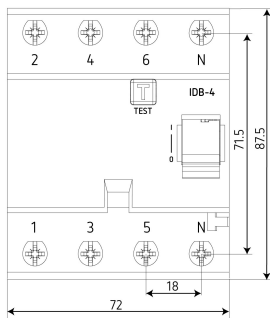


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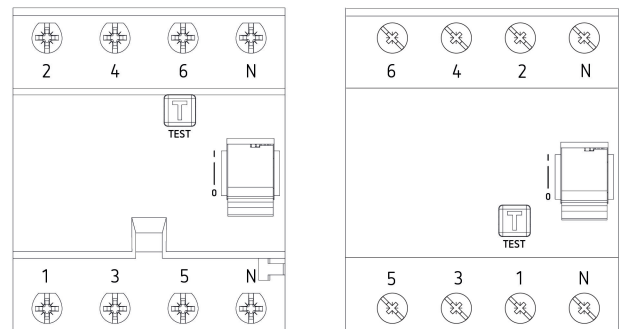
## Dimensions



## 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:

