



## IDB-4 4P-40A-300 mA

IDB-4 4P-40A-300 mA, Residual current relay

Code: P17222.

- > Poles: 4
- > In (A): 40 A
- > Sensitivity: 300 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-300 mA

RCCB type B Instantaneous 30 mA and 300 mA

Code: P17222.

## 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)	0,3

### 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	0,3
Delay time (tΔ)	Instantaneous or General (IEC 61008-1)

IDB-4  
Type B RCCB



# IDB-4 4P-40A-300 mA

RCCB type B Instantaneous 30 mA and 300 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

