

# IDB-4

## RCCB Class B Instantaneous 30 mA and 300 mA



### Description

Earth leakage 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.
- Direct currents

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

### Applications

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

### Technical features

<b>Earth leakage protection</b>	Class	B (CEI 60755, CEI 62423)
	Sensitivity, $I_{\Delta n}$	30 / 300 mA
	Gauge, $I_n$	40/63 A
<b>Electrical features</b>	Trip delay, $t_{\Delta}$	INSTantaneous or General (IEC 61008-1)
	Operating voltage	230 / 400 Vc.a. 50 / 60 Hz
	Cut off power and assigned earth leakage cut off $I_{\Delta m}$	10 kA
	Cut off power and assigned earth leakage cut off $I_m$	800 A
	<b>Mechanical features</b>	Installation
Dimensions		4 modules (70 mm)
Weight		425 g
Protection degree		IP 20 terminals, IP 41 cross-grid
Terminal dimensions		1-2,5 mm <sup>2</sup>
Mechanical working life		4000 operations
Electrical life		2000 operations
<b>Operating conditions</b>	Temperature	-25...+55 °C
	Relative humidity	95 % without condensation
	Maximum altitude	2000 m
<b>Safety</b>	Insulation	Category III Class II EN 61010-1
	Shockwave	4 kV
<b>Standards</b>	IEC 61008, IEC 62423, IEC 61008.1.2	

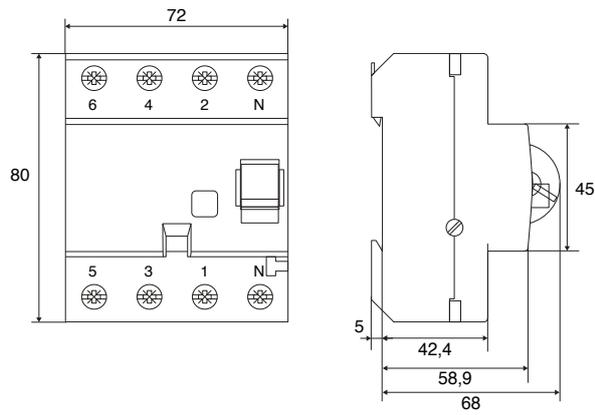
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### References

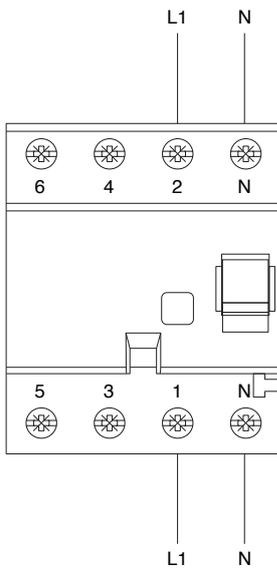
Type	Code	Sensitivity, $I_{\Delta n}$	$I_n$
IDB-4 4P-40A-30mA	P17221	30 mA	40 A
IDB-4 4P-40A-300mA	P17222	300 mA	40 A
IDB-4 4P-63A-30mA	P17231	30 mA	63 A
IDB-4 4P-63A-300mA	P17232	300 mA	63 A

### Dimensions

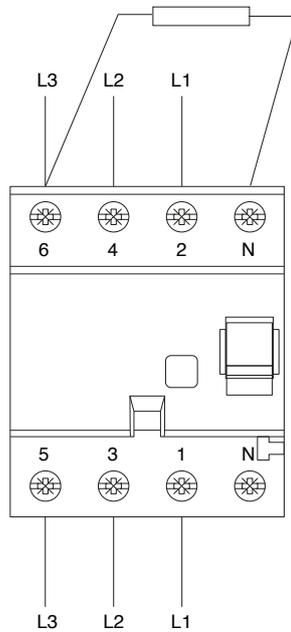


### Connections

Single-phase connection



Three-phase connection



Three-phase connection + neutral

