

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

Earth leakage protection	Class	B (CEI 60755, CEI 62423)
	Sensitivity, $I_{\Delta n}$	30 / 300 mA
	Gauge, I_n	40/63 A
Electrical features	Trip delay, t_{Δ}	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
Mechanical features	Installation	Rail DIN 46277 (EN 50022)
	Dimensions	4 modules (70 mm)
	Weight	425 g
	Protection degree	IP 20 terminals, IP 41 cross-grid
	Terminal dimensions	1-2,5 mm ²
	Mechanical working life	4000 operations
	Electrical life	2000 operations
Operating conditions	Temperature	-25...+55 °C
	Relative humidity	95 % without condensation
	Maximum altitude	2000 m
Safety	Insulation	Category III Class II EN 61010-1
	Shockwave	4 kV
Standards	IEC 61008, IEC 62423, IEC 61008.1.2	

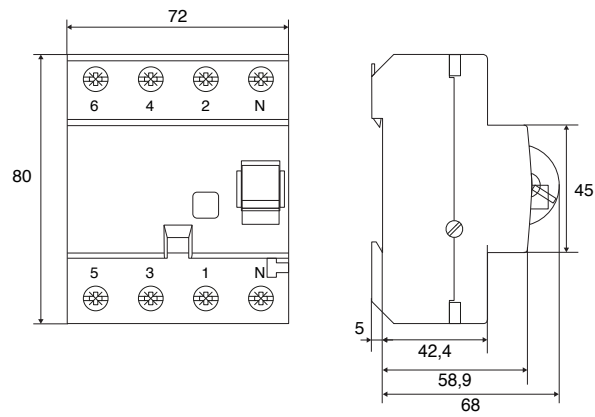
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References

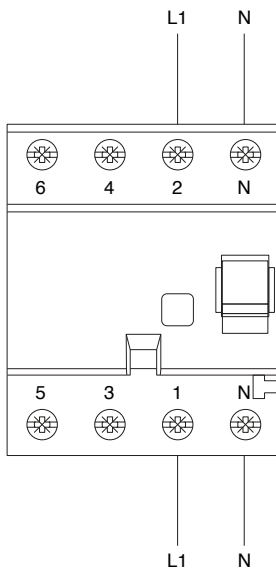
Type	Code	Sensitivity, $I_{\Delta n}$	I_n
IDB-4 4P-40A-30mA	P17221	30 mA	40 A
IDB-4 4P-40A-300mA	P17222	300 mA	40 A
IDB-4 4P-63A-30mA	P17231	30 mA	63 A
IDB-4 4P-63A-300mA	P17232	300 mA	63 A

Dimensions

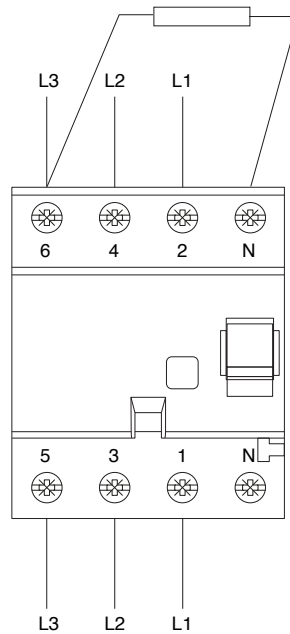


Connections

Single-phase connection



Three-phase connection



Three-phase connection + neutral

