RCCB-ID B type

IEC/EN 61008, VDE 0664

PB101616_SE-35

16766

062075N_SE-33

16940

PB100572-18

16939

■ The RCCB-ID 125 A residual current circuit breakers provide:
□ protection of persons against electric shock by direct contact (30 mA),
□ protection of persons against electric shock by indirect contact (≥ 300 mA),
□ protection of installations against the risk of fire (300 mA or 500 mA).

B type
The RCCB-ID B type residual current circuit breakers provide:
■ protection in the event of a continuous fault current on three-phase networks generated by:
□ controllers and variable speed drives,
□ battery chargers and inverters,
□ backed-up power supplies.

■ They include and also guarantee protection against fault currents:
□ sinusoidal AC residual currents (AC type),
□ pulsed DC residual currents (A type).

They can be adapted to all the application cases defined in standards IEC 60364 and EN 50178.
■ Schneider Electric guarantees that the type B RCCB-ID works correctly in combination with the variable speed drives manufactured by Schneider Electric.

OFsp auxiliary

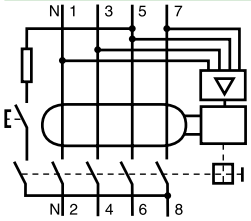
■ Electrical indication: by OFsp auxiliary mounted to the left.
It has a double changeover switch indicating the "open" or "closed" position of the RCCB-ID B type .

Accessories

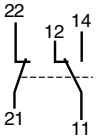
■ 4P sealable screw shield.

Catalogue numbers

RCCB-ID B type residual current circuit breakers

Type			B				Width in 9 mm module
4P		Sensitivity	30 mA	300 mA	300 mA S	500 mA	
DB123726 	Rating	25 A	**16750**	**16751**	**-**	**-**	8
		40 A	**16752**	**16753**	**16754**	**16755**	
		63 A	**16756**	**16757**	**16758**	**16759**	
		80 A	**16760**	**16761**	**16762**	**-**	
		125 A	**16763**	**16764**	**16765**	**16766**	
Voltage rating (Ue)			230/400 V				
Operating frequency			50 Hz				

Auxiliary

Type				Width in 9 mm module
Contact OFsp	Contact	Voltage		
E91415 	1 A	110 V DC	**16940**	1
	6 A	230 V AC (AC15)		

Accessory

Type	Number of pole	
Screw shield (set of 10) for upstream or downstream	4P	**16939**

RCCB-ID B type (cont.)

Connection

■ By tunnel terminals for:

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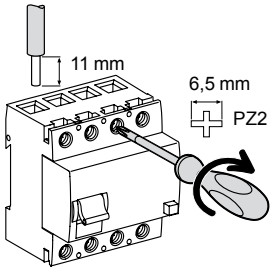

Type	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
	DB112804	DB112805	
RCCB-ID B type	3 N.m	1 x 1.5 to 50 mm²	1 x 1.5 to 35 mm²
		2 x 1.5 to 16 mm²	2 x 1.5 to 16 mm²
OFsp	0.8 N.m	1 to 1.5 mm²	1 to 1.5 mm²

OFsp contact status, depending on the position of the residual current circuit breaker

Type				
RCCB-ID B type	Closed	■	-	-
	Open	-	■	-
	Tripped on fault	-	-	■
Contact OFsp	22/21 12/11	Open	Closed	Closed
	14/11	Closed	Open	Open

DB122842

Indication of the status of the RCCB-ID B type via the 3-position toggle and front panel indicator

- Closed (red indicator)
- Tripped on fault (green indicator)
- Open (green indicator)

Technical data

Electrical characteristics		
According to IEC 60947		
Insulation voltage (Ui)		400 V
Pollution degree		3
Rated impulse withstand voltage (Uimp)		4 kV
According to IEC/EN 61008-1		
Making and breaking capacity (Im/IΔm)	25/40 A	500 A
	63/80 A	800 A
	125 A	1250 A
Surge current withstand (8/20 µs) without tripping	No selective Ⓢ	250 Â
	Selective Ⓢ	3 kÂ
Conditional rated short circuit current (Inc/IΔc)	25/40 A with FU 80 A gG fuse	10,000 A
	63 A with FU 100 A gG fuse	10,000 A
	80/125 A with FU 125 A gG fuse	10,000 A
Additional characteristics		
Degree of protection	Device only	IP20 IP40 with screw shield
	Device in modular enclosure	IP40 Insulation classe II
Endurance (O-C)	Electrical	> 2 000 cycles
	Mechanical	> 5 000 cycles
Operating temperature		-25°C to +40°C
Storage temperature		-40°C to +85°C

Weight (g)

Residual current circuit breakers and auxiliary		
Type	**RCCB-ID B type**	**OFsp**
4P	450	40

Dimensions (mm)

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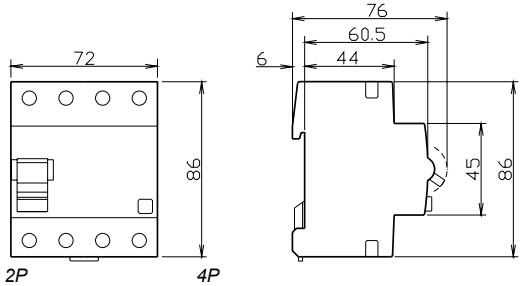

2P *4P*

RCCB-ID B type

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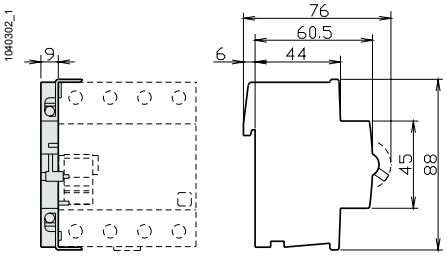

Contact OFsp