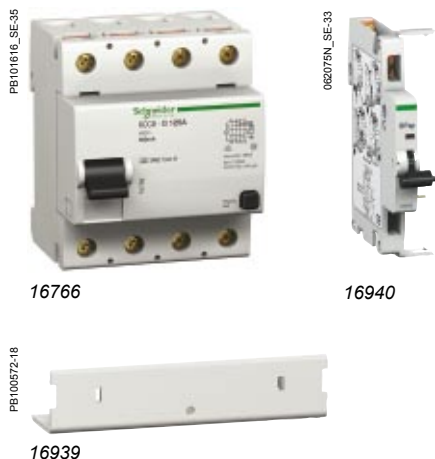


IEC/EN 61008, VDE 0664



- 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




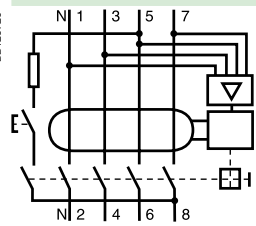
- Electrical indication: by OFsp auxiliary mounted to the left.
It has a double changeover switch indicating the "open" or "closed" position of the RCCB-ID B type .

Accessories

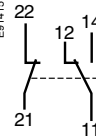
- 4P sealable screw shield.

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 	500 mA	
	Rating	25 A	16750	16751	-	8
		40 A	16752	16753	16754	
		63 A	16756	16757	16758	
		80 A	16760	16761	16762	
		125 A	16763	16764	16765	
Voltage rating (Ue)		230/400 V				
Operating frequency		50 Hz				

Auxiliary

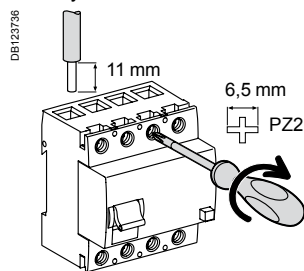
Type				Width in 9 mm module
Contact OFsp	Contact	Voltage		
	1 A	110 V DC	16940	1
	6 A	230 V AC (AC15)		

Accessory

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

Connection

■ By tunnel terminals for:



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

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	Open	Closed	Closed
	12/11	Open	Closed	Closed
	14/11	Closed	Open	Open

Technical data

Electrical characteristics

According to IEC 60947

Insulation voltage (U _i)	400 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	4 kV

According to IEC/EN 61008-1

Making and breaking capacity (I _m /I _{Δm})	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 A
	Selective Ⓜ	3 kA
Conditional rated short circuit current (I _{nc} /I _{Δc})	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
	Device in modular enclosure	IP40
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)

