

QOvs RCBO add-on residual current devices

10000 A



IEC 61009-1
IEC 61009-2-2
BS EN 61009-1
AS/NZS 61009.1



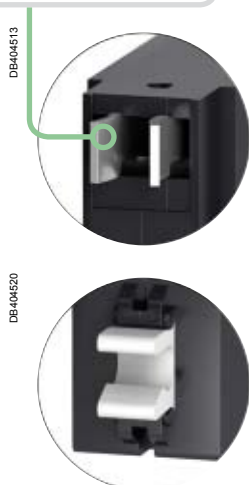
- The QOvs RCBO residual current devices provide complete protection for final circuits (against overcurrents and insulation faults):
 - protection for users against electric shocks by direct contacts (30 mA),
 - protection for users against electric shocks by indirect contacts (100 mA),
 - protection of the installations against fire risks.

Catalogue numbers

QOvs RCBO		10000	
Type		AC	
1P+N Curve B Rating	Sensitivity	30 mA	100 mA
	6 A	QO106B10RCBO30F	-
	10 A	QO110B10RCBO30F	-
	16 A	QO116B10RCBO30F	-
	20 A	QO120B10RCBO30F	-
	32 A	QO132B10RCBO30F	-
	40 A	QO140B10RCBO30F	-
50 A	QO150B10RCBO30F	-	
1P+N Curve C Rating	Sensitivity	30 mA	100 mA
	6 A	QO106C10RCBO30F	QO106C10RCBO100F
	10 A	QO110C10RCBO30F	QO110C10RCBO100F
	16 A	QO116C10RCBO30F	QO116C10RCBO100F
	20 A	QO120C10RCBO30F	QO120C10RCBO100F
	32 A	QO132C10RCBO30F	QO132C10RCBO100F
	40 A	QO140C10RCBO30F	QO140C10RCBO100F
50 A	QO150C10RCBO30F	QO150C10RCBO100F	
Voltage rating (Ue)	230/240 V AC		
Operating frequency	50/60 Hz ± 5 %		

Plug-on system

- Fast, easy installation
- No connection errors
- Safety



- Fast contact closure



Disconnection

- Positive contact indication

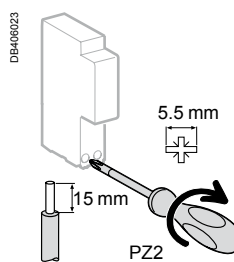


Test "T"

- Operating test button, on the front panel

QOvs RCBO add-on residual current devices (cont.) 10000 A

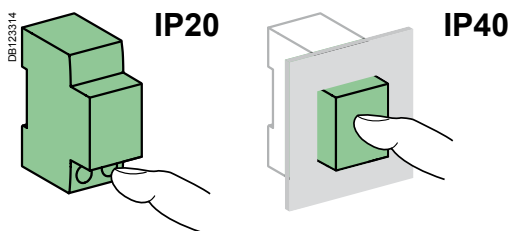
Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
6 to 50 A		DB122945	DB122946
L and N out L in	2 N.m Plug-on type	1 to 16 mm ²	1 to 10 mm ²

Technical data

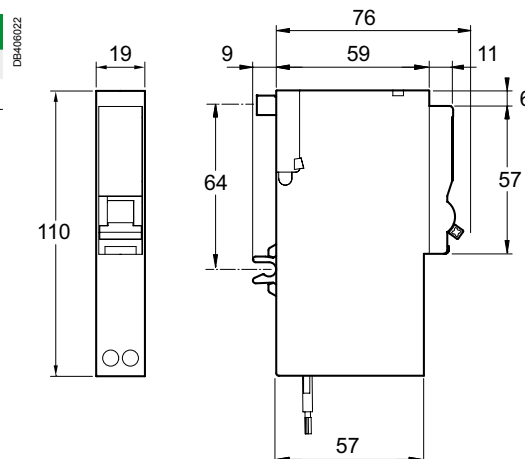
Main characteristics		
Earth leakage protection with instantaneous tripping	30 mA 100 mA	Depending on the voltage
Setting temperature for ratings		40°C
Tripping curve	Curve B Curve C	The magnetic tripping devices act at between 3 and 5 I _n The magnetic tripping devices act at between 5 and 10 I _n
Rated breaking capacity (I _{cn})		10,000 A
Rated residual breaking and making capacity (I _{Δm})		7500 A
Minimum operating voltage of test button		187 V AC
Endurance (O-C)	Electrical	5000 cycles
	Mechanical	20,000 cycles
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40 Insulation class II
Insulation voltage (U _i)		400 V
Rated impulse withstand voltage (U _{imp})		4 kV
Operating temperature		-15°C to +60°C
Storage temperature		-40°C to +85°C
Surge current withstand (8/20 μs) without tripping		250 Å
Limitation class		3
Insulation class		2
Tropicalization		Treatment 2 (relative humidity 95 % to 55°C)



Weight (g)

Add-on residual current devices	
Type	Weight (g)
1P+N	186

Dimensions (mm)





Indice	Date	Modification	Name
1.1	11/03/2013	Add 50/60Hz page 2	Sedoc
1.0	7/11/2012	Creation	Sedoc