

Square D QOvs RCBO

IEC 61009-1
IEC 61009-2-2
TIS 909-2548

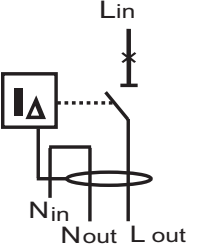


As per the above standards, RCBO combines following functions:

- Circuit protection against short-circuit currents.
- Circuit protection against overload currents.
- Protection against electric shock by direct contact (10 and 30 mA).



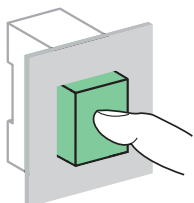
Catalog Numbers

Square D QOvs RCBO			6000 A	10000 A	
Type			AC 	A 	AC 
1P+N	Curve (C)	Sensitivity	10 mA	30 mA	30 mA
	Rating (In)	10 A	QO110C06RCBO10	–	–
		16 A	QO116C06RCBO10	–	QO116C10RCBO30
		20 A	QO120C06RCBO10	QO120C10RCBA30	QO120C10RCBO30
		32 A	QO132C06RCBO10	–	QO132C10RCBO30
		40 A	QO140C06RCBO10	QO140C10RCBA30	–
		50 A	–	–	–
Operating frequency			50/60 Hz		
Voltage rating (Ue)			230/240 Vac		

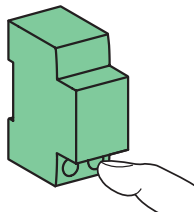
Technical Data

Main characteristics		6000 A	10000 A
Earth leakage protection with instantaneous tripping	10 mA	Depending on the voltage	
	30 mA		
Setting temperature for ratings		40 °C	
Tripping curve		Curve C	
		The magnetic tripping devices act at between 5 and 10 In	
Rated breaking capacity (Icn)		6000 A	10000 A
Rated residual breaking and making capacity (Idm)		6000 A	7500 A
Minimum operating voltage of test button		187 Vac	
Endurance (O-C)	Electrical	5000 cycles	
	Mechanical	20000 cycles	
Degree of protection	Device only	IP20	
	Device in modular enclosure	IP40 Insulation class II	
Insulation voltage (Ui)		400 V	
Rated impulse withstand voltage (Uimp)		4 kV	
Operating temperature		-15...+60 °C	
Storage temperature		-40...+85 °C	
Surge current withstand (8/20 μs) without tripping		30 mA	250 A
Limitation class		3	
Insulation class		2	
Tropicalization		Treatment 2 (relative humidity 95% to 55 °C)	

IP40



IP20



Square D QOvs RCBO



Test Button

For regular testing of RCBO.



Plug-on System

Faster installation and reduced wiring errors.



Positive Contact Indication

- Suitable for isolation.
- Indicates physical opening of the contacts and allows operations on the downstream circuits.



Compatible with Square D DBSeT

Square D QOvs RCBO are compatible to use with Square D DBSeT.

Nomenclature

QO

Range

Square D QOvs
RCBO

1

1P+N

10

Rated Current

10: 10 A
16: 16 A
20: 20 A
32: 32 A
40: 40 A
50: 50 A

C

Curve

C: C Curve

06

Breaking Capacity

06: 6000 A
10: 10000 A

RCBO

Type

RCBO: AC
RCBA: Type A

30

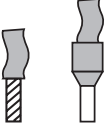
Sensitivity (mA)

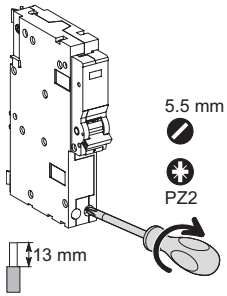
10: 10 mA
30: 30 mA

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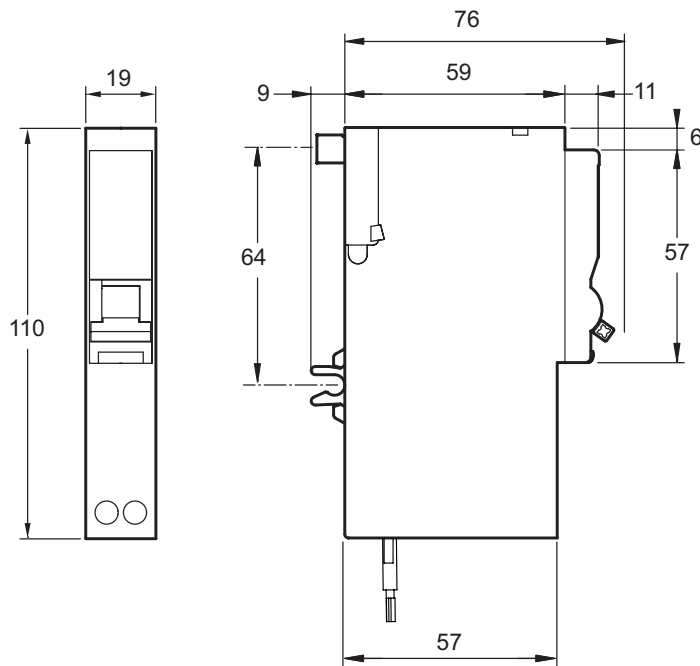
Connection (mm)

Square D QOvs RCBO

Rating (A)	Copper cable		Tightening torque
	Rigid	Flexible or with Ferrule	
10...50 A			
L and N out	1...16 mm ²	1...10 mm ²	2 N.m
L in	Plug-on type		



Dimension (mm)



Weight (g)

Residual current devices	
Type	QOvs RCBO
1P+N	186

Note: Approximate weight.