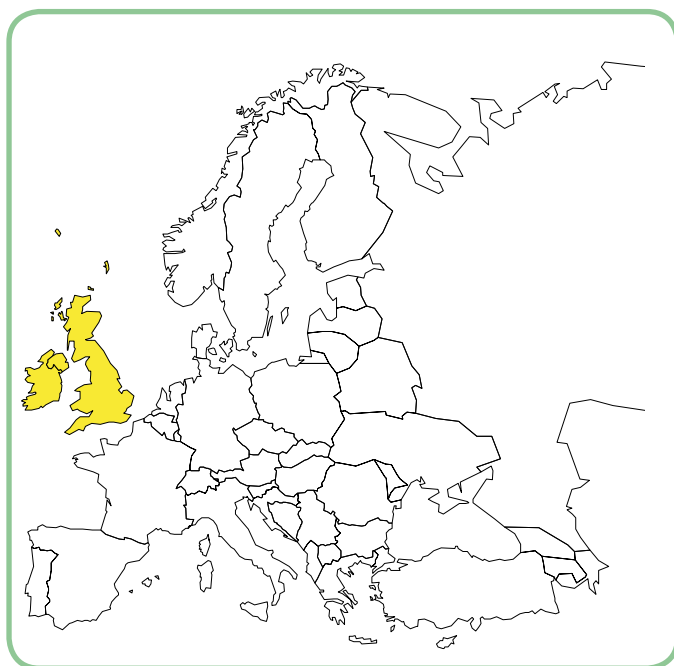


The Schneider Electric residual current devices range comprises various offers (A, B, C, D) so as to be as competitive as possible in each country, taking into account the specific features of each market:

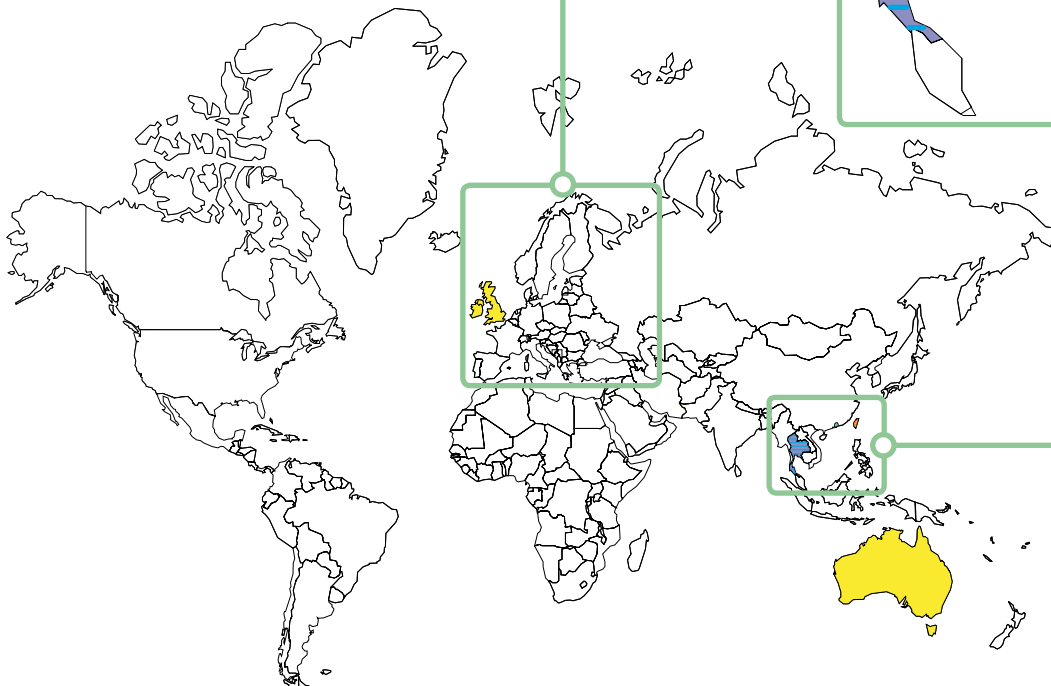
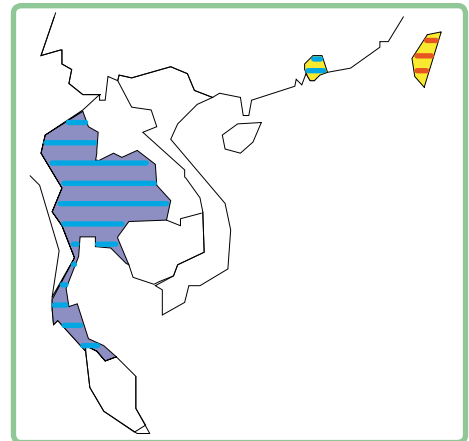
- installation customs
- price
- approval by local organizations.

Variants

Offers		Pages
Offer A	Catalogue numbers	page 2
Offer B	Catalogue numbers	page 4
Offer C	Catalogue numbers	page 6
Offer D	Catalogue numbers	page 8



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.





Country approval pictograms



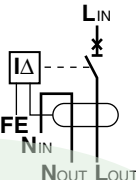
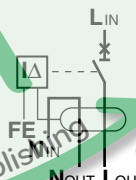
IEC 61009-1
IEC 61009-2-2
BS EN 61009-1
AS/NZS 61009.1

■ The single-phase QOvs RCBO's self-contained residual current device carries out complete protection of final circuits:

- protection against short-circuits and cable overloads
- protection of persons against electric shock by direct contact (30 mA sensitivity),
- protection of persons against electric shock by indirect contact,
- protection of equipment against fires set by leakage currents.

■ The neutral is not interrupted when the device is tripped. Hence QOvs RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

Catalogue numbers

QOvs RCBO			10000	
Type			AC 	
1P+N	Curve B	Sensitivity	30 mA	100 mA
	Rating	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	Sensitivity	30 mA	100 mA
	Rating	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 %	

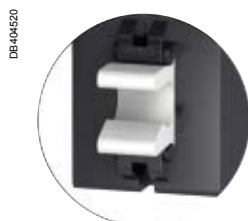
Offer selection see page 1

offer A

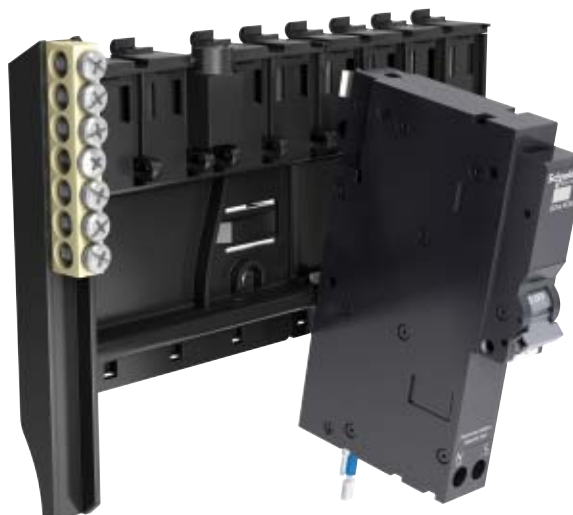
This sticker must be removed before publishing

Plug-on system

- Fast, easy installation
- No connection errors
- Safety



- Fast contact closure



Disconnection

- Positive contact indication



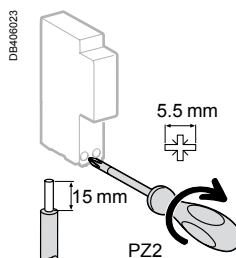
Test "T"

- Operating test button, on the front panel

QOvs RCBO residual current devices (cont.) 10000 A

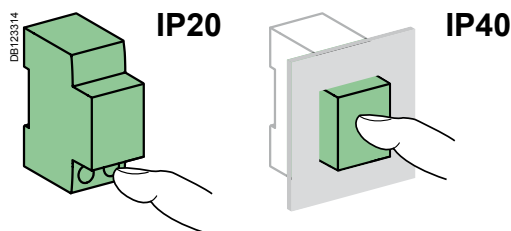
Connection

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

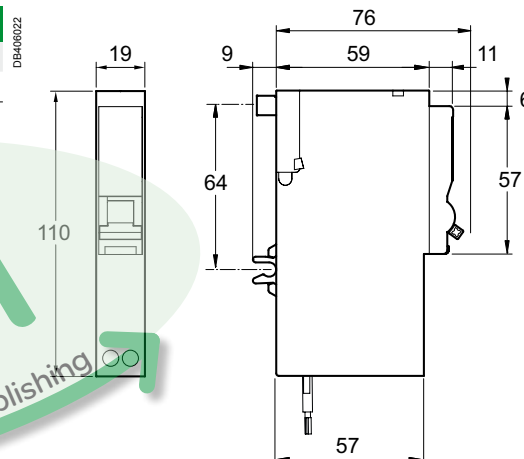
Main characteristics		
Earth leakage protection with instantaneous tripping	30 mA 100 mA	Depending on the voltage
Setting temperature for ratings		40°C
Tripping curve	Curve B Curve C	The magnetic tripping devices act at between 3 and 5 I _n The magnetic tripping devices act at between 5 and 10 I _n
Rated 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 Mechanical	5000 cycles 20,000 cycles
Degree of protection	Device only Device in modular enclosure	IP20 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)	30 mA without tripping	250 Å
Limitation class		3
Insulation class		2
Tropicalization		Treatment 2 (relative humidity 95 % to 55°C)



Weight (g)

Residual current devices	
Type	
1P+N	186

Dimensions (mm)



Offer selection see page 1

offer A

This sticker must be removed before publishing

QOvs RCBO residual current devices (cont.)

10000 A

IEC 61009-1
IEC 61009-2-2

Country approval pictograms



- The single-phase QOvs RCBO's self-contained residual current device carries out complete protection of final circuits:
 - protection against short-circuits and cable overloads
 - protection of persons against electric shock by direct contact,
 - protection of persons against electric shock by indirect contact,
 - protection of equipment against fires set by leakage currents.
- The neutral is not interrupted when the device is tripped. Hence QOvs RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

Offer selection see page 1

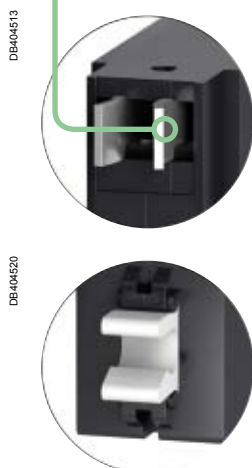
Offer B

Catalogue numbers
This sticker must be removed before publishing

			10000
Type	AC		
1P+N	Curve C	Sensitivity	30 mA
	Rating	6 A	QO106C10RCBO30F1
		10 A	QO110C10RCBO30F1
		16 A	QO116C10RCBO30F1
		20 A	QO120C10RCBO30F1
		32 A	QO132C10RCBO30F1
		40 A	QO140C10RCBO30F1
		50 A	QO150C10RCBO30F1
Voltage rating (Ue)			110/130 V AC
Operating frequency			50/60 Hz ± 5 %

Plug-on system

- Fast, easy installation
- No connection errors
- Safety

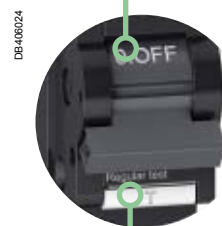


- Fast contact closure



Disconnection

- Positive contact indication

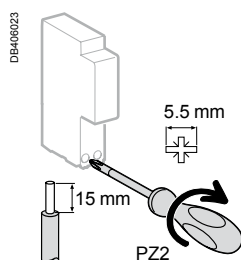


Test "T"

- Operating test button, on the front panel

QOvs RCBO residual current devices (cont.) 10000 A

Connection

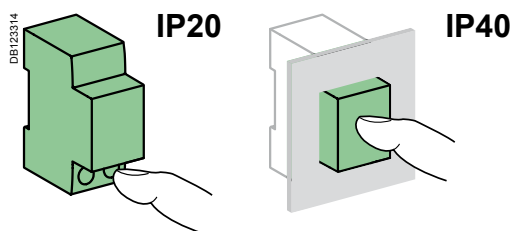


Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
6 to 50 A		DB122945	DB122946
L and N out L in	2 N.m	1 to 16 mm ²	1 to 10 mm ²
	Plug-on type		

Technical data

Main characteristics

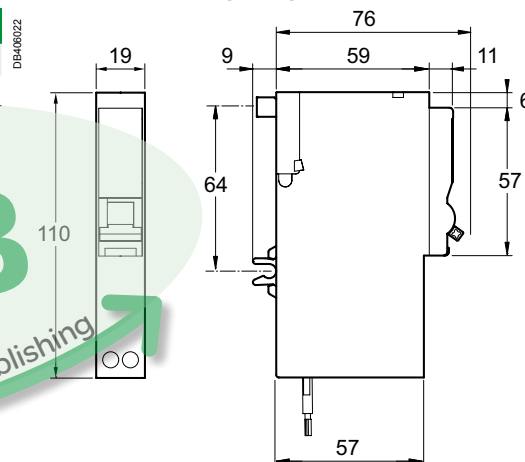
Earth leakage protection with instantaneous tripping	30 mA	Depending on the voltage
Setting temperature for ratings		40°C
Tripping curve	Curve C	The magnetic tripping devices act at between 5 and 10 I _n
Rated breaking capacity (I _{cn})		10,000 A
Rated residual breaking and making capacity (I _{Δm})		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 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	30 mA	250 Å
Limitation class		3
Insulation class		2
Tropicalization		Treatment 2 (relative humidity 95 % to 55°C)



Weight (g)

Residual current devices	
Type	QOvs RCBO
1P+N	186

Dimensions (mm)



Offer selection see page 1

Offer B

This sticker must be removed before publishing



Country approval pictograms

IEC 61009-1
IEC 61009-2-2
TIS909-2548



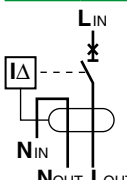
- The single-phase QOvs RCBO's self-contained residual current device carries out complete protection of final circuits:
 - protection against short-circuits and cable overloads
 - protection of persons against electric shock by direct contact ,
 - protection of persons against electric shock by indirect contact,
 - protection of equipment against fires set by leakage currents.
- The neutral is not interrupted when the device is tripped. Hence QOvs RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

Offer selection see page 1

offer C

This sticker must be removed before publishing

Catalogue numbers

QOvs RCBO			6000		10000	
Type			AC 		AC 	
1P+N	Curve C	Sensitivity	10 mA	30 mA	10 mA	30 mA
	Rating	10 A	QO110C06RCBO10	QO110C06RCBO30	QO110C10RCBO10	QO110C10RCBO30
		16 A	QO116C06RCBO10	QO116C06RCBO30	QO116C10RCBO10	QO116C10RCBO30
		20 A	QO120C06RCBO10	QO120C06RCBO30	QO120C10RCBO10	QO120C10RCBO30
		32 A	QO132C06RCBO10	QO132C06RCBO30	QO132C10RCBO10	QO132C10RCBO30
		40 A	QO140C06RCBO10	QO140C06RCBO30	QO140C10RCBO10	QO140C10RCBO30
		50 A	QO150C06RCBO10	QO150C06RCBO30	QO150C10RCBO10	QO150C10RCBO30
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

DB404513



DB404520



PS110006-70



DB406024



Test "T"

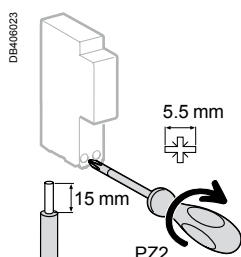
- Operating test button, on the front panel

QOvs RCBO residual current devices (cont.)

10000 A and 6000 A

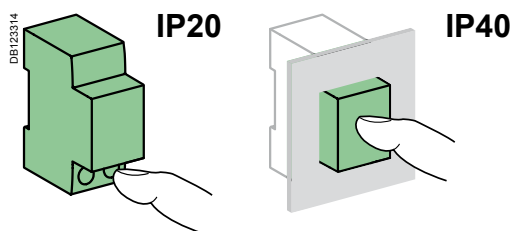
Connection

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



Technical data

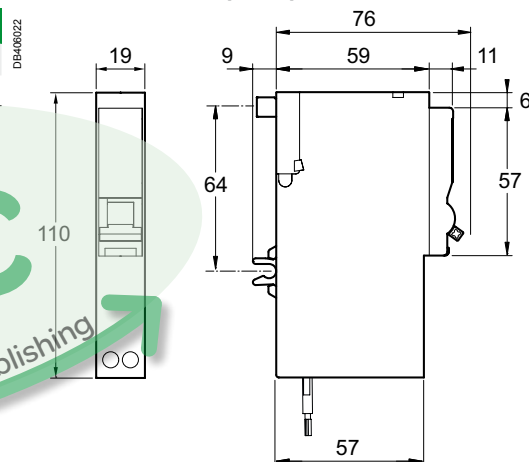
Main characteristics		QOvs RCBO 6 kA	QOvs RCBO 10 kA
Earth leakage protection with instantaneous tripping	10 mA 30 mA	Depending on the voltage	
Setting temperature for ratings		40°C	
Tripping curve	Curve C	The magnetic tripping devices act at between 5 and 10 I _n	
Rated breaking capacity (I _{cn})		6000 A	10,000 A
Rated residual breaking and making capacity (I _{Δm})		6000 A	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	30 mA	250 Å	
Limitation class		3	
Insulation class		2	
Tropicalization		Treatment 2 (relative humidity 95 % to 55°C)	



Weight (g)

Residual current devices	
Type	QOvs RCBO
1P+N	186

Dimensions (mm)



Offer selection see page 1

offer C

This sticker must be removed before publishing



Country approval pictograms

IEC 61009-1
IEC 61009-2-2
TIS909-2548

PF113290-60



- The 2-poles QOvs RCBO's self-contained residual current device carries out
- Complete protection of final circuits:
 - protection against short-circuits and cable overloads,
 - protection of persons against electric shock by direct contact,
 - protection of equipment against fires set by leakage currents.
- QOvs RCBO switches neutral, together with phase. It is therefore suitable for all circuits, whatever the earthing system (except for TN-C).

Catalogue numbers

QOvs RCBO		10000
Type		AC
2P	Curve C	Sensitivity 30 mA
	Rating	16 A
		20 A
		32 A
		40 A
		50 A
		63 A
Voltage rating (Ue)		230/240 V AC
Operating frequency		50/60 Hz ± 5 %

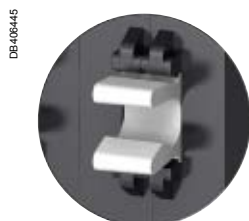
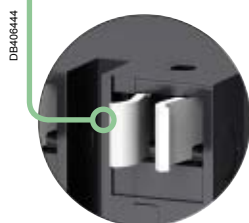
Offer selection see page 1

offer D

This sticker must be removed before publishing

Plug-on system

- Fast, easy installation
- No connection errors
- Safety

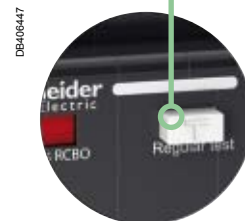


- Fast contact closure



Test "T"

- Operating test button, on the front panel

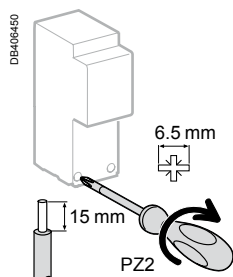


Disconnection

- Positive contact indication

QOvs RCBO residual current devices (cont.) 10000 A

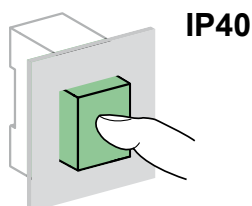
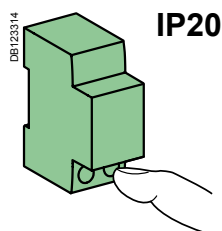
Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
16 to 63 A		DB122945	DB122946
L and N out L and N in	Plug-on type 3.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Technical data

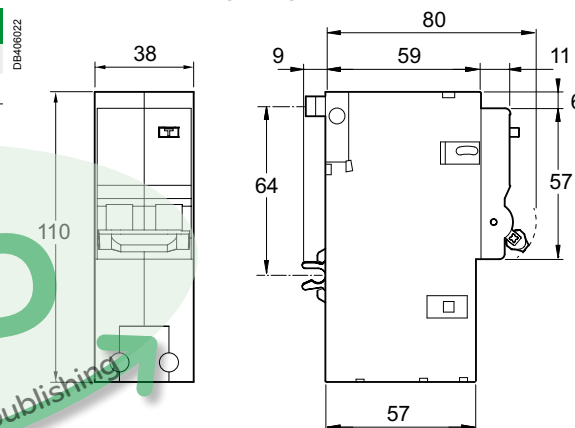
Main characteristics		
Earth leakage protection with instantaneous tripping	30 mA	Depending on the voltage
Setting temperature for ratings		40°C
Tripping curve	Curve C	The magnetic tripping devices act at between 5 and 10 I _n
Rated breaking capacity (I _{cn})		10,000 A
Rated residual breaking and making 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)

Residual current devices	
Type	Weight (g)
2P	300

Dimensions (mm)



Offer selection see page 1

Offer D

This sticker must be removed before publishing



1.1	6/01/2014	Changed connection table page 9	Sedoc
1.0	19/08/2013	Creation	Sedoc
Indice	Date	Modification	Name