




Residual Current Circuit Breakers



- AC type: alternating current
- A type: alternating or pulsating DC current
- A-KV type: high protection against nuisance tripping
- Rating: from 16 to 80 A in 2-pole version and from 25 to 80 A in 4 pole version.
- Sensitivities: 10-30-100-300 and 500 mA.
-  versions
- Range of auxiliary contacts

GENERAL DESCRIPTION

For the protection of people and property against the risks of direct and indirect contacts in homes and in professional premises.

A more complete range:

- 16-25-40-63 and 80 Amp sizes in 2-pole versions and 25-40-63 and 80 Amp in 4-pole versions.
- a range of auxiliary devices for the 2-pole and 4-pole RCCB's: auxiliary changeover switch, fault signalling changeover switch, shunt trip release unit
- a range of 2-pole and 4-pole RCCB's in 25-40-63 and 80 Amp - 1 Δ 30mA with high protection against nuisance tripping

Higher performance electrical characteristics:

- increased resistance to short circuits: 20 kA at 40 Amp and 10kA at 63 Amp
- increased terminal capacity for the whole range: 25 mm² stranded cable - 35mm² solid wire

Standards: NF/USE - SEMKO - VDE - CEBEC

Conform to: NF EN 61 008

ELECTRICAL AND MECHANICAL CHARACTERISTICS

Rating	16 A		25 A		40 A		63 A		80 A	
Number of poles	2-pole		2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole
Nominal operating voltage Un (V)	230		230	400	230	400	230	400	230	400
Short-circuit resistance (kA)										
with gG fuses	25 A	40	40	40	-	-	-	-	-	-
	40 A	20	20	20	20	20	-	-	-	-
	63 A	10	10	10	10	1	10	10	-	-
	80 A	6	6	6	6	6	6	6	6	6
Terminal capacity in mm ²	25 mm ² stranded - 35 mm ² solid									

Max. earth resistance according to contact voltage Uc	I Δ n	Uc = 50 V	Uc = 25 V
	0,01 A	5000 Ω	2500 Ω
	0,03 A	1666 Ω	833 Ω
	0,1 A	500 Ω	250 Ω
	0,3 A	167 Ω	83 Ω
	0,5 A	100 Ω	50 Ω

Immunity: All the Interguard RCCB's are immune to nuisance tripping brought about by transient fault currents, for example: lightning or capacitive loads...

Depending on the usage and on the conditions under which these devices are used, the risk of nuisance tripping will vary and will be more or less acceptable.

In this regard, the Baco range gives one possibility of choosing between several solutions, represented in practice by the resistance at peak A values to the standard 8/20 μ current wave:

- standard version, all tripping values: 250 Amp
- KV type - 30 mA: 3000 Amp
- S versions 300 to 500 mA: 5000 Amp

These last two versions are recommended for usage in cases where the environment is often disturbed or where there is low acceptability of nuisance tripping.

For example:

Installations comprising: discharge bulbs - electronic ballasts - computers - UPS appliances - rectifiers - welding apparatus - dimmer switches - speed controls,

All installations with high exposure to electro-magnetic interference due to atmospheric conditions (lightning strikes)

All installations where the risk must be reduced to a minimum: cold-stores - anti-intrusion safety devices - alarm devices - anti-freeze heating - medical assistance equipment.

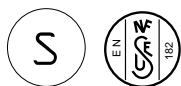
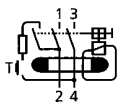
Types of devices according to form of operating current:

- AC type devices = to be used with 50 Hz pure sinusoidal alternating current
- A type devices = certain electronic installations, incorporating rectifiers for example, inject into the circuit to be protected a direct current component which can interfere with the correct functioning of the AC type devices. The type A devices, which are not sensitive to a DC component within the specified limits, are to be recommended for use in this case.

RCCB TYPE AC DEPTH 70MM

TYPE AC: ALTERNATING CURRENT \approx DEPTH 70MM
2 POLE RCCB

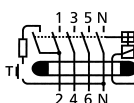
WIDTH 2 MODULES
RATED VOLTAGE U_n : 230 V



2-poles RCCB
40 A - 1 Δ n
30 mA
0660210

Rated current I_n	Sensitivity $I_{\Delta n}$	Weight (g)	Ordering code
16 A	10 mA	200	0660 000
	30 mA	200	0660 110
	100 mA	200	0660 120
	300 mA	200	0660 130
40 A	300 mA \square	200	0660 131
	30 mA	200	0660 210
	100 mA	200	0660 220
	300 mA	200	0660 230
63 A	300 mA \square	200	0660 231
	30 mA	200	0660 310
	100 mA	200	0660 320
	300 mA	200	0660 330
80 A	300 mA \square	200	0660 331
	30 mA	200	0660 410
	100 mA	200	0660 420
	300 mA	200	0660 430
	300 mA \square	200	0660 431

WIDTH 4 MODULES
RATED VOLTAGE U_n : 400 V



4-poles
RCCB
40 A - 1 Δ n
30 mA
0660710

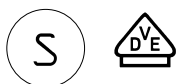
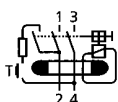
4 POLE (neutral on the left)

25 A	30 mA	400	0660 610
	100 mA	400	0660 620
	300 mA	400	0660 630
	300 mA \square	400	0660 631
40 A	30 mA	400	0660 710
	100 mA	400	0660 720
	300 mA	400	0660 730
	300 mA \square	400	0660 731
63 A	30 mA	400	0660 810
	100 mA	400	0660 820
	300 mA	400	0660 830
	300 mA \square	400	0660 831
80 A	30 mA	400	0660 910
	100 mA	400	0660 920
	300 mA	400	0660 930
	300 mA \square	400	0660 931

RCCB TYPE A DEPTH 70MM

TYPE A: ALTERNATING OR PULSATING DC CURRENT \approx DEPTH 70MM
2-POLE RCCB

WIDTH 2 MODULES
RATED VOLTAGE U_n : 230 V



2-poles
RCCB
16 A - 1 Δ n
10 mA
0660002

Rated current I_n	Sensitivity $I_{\Delta n}$	Weight (g)	Ordering code
16 A	10 mA	200	0660 002
	30 mA	200	0660 112
	100 mA	200	0660 122
25 A	300 mA	200	0660 132
	30 mA	200	0660 212
	100 mA	200	0660 222
40 A	300 mA	200	0660 232
	30 mA	200	0660 312
	100 mA	200	0660 322
63 A	300 mA	200	0660 332
	30 mA	200	0660 412
	100 mA	200	0660 422
80 A	300 mA	200	0660 432

\square : time-delayed RCCB

RCCB TYPE A DEPTH 70MM

TYPEA: ALTERNATING OR PULSATING DC CURRENT ☒ DEPTH 70MM

4-POLE RCCB (neutral on the right)

WIDTH 4 MODULES
RATED VOLTAGE Un: 400 V



4-poles RCCB
63 A - 1 Δ n 300 mA
0661832

Rated current In	Sensitivity I Δ n	Weight (g)	Ordering code
25 A	30 mA	400	0661 612
	100 mA	400	0661 622
	300 mA	400	0661 632
	500 mA	400	0661 642
40 A	30 mA	400	0661 712
	100 mA	400	0661 722
	300 mA	400	0661 732
	300 mA S	400	0661 733
	500 mA	400	0661 742
	500 mA S	400	0661 743
63 A	30 mA	400	0661 812
	100 mA	400	0661 822
	300 mA	400	0661 832
	300 mA S	400	0661 833
	500 mA	400	0661 842
	500 mA S	400	0661 843
80 A	30 mA	400	0661 912
	100 mA	400	0661 922
	300 mA	400	0661 932
	300 mA S	400	0661 933
	500 mA	400	0661 942
	500 mA S	400	0661 943

[S]: time-delayed RCCB

RCCB TYPE A DEPTH 70MM

TYPE A-KV: ALTERNATING OR PULSATING DC CURRENT ☒ HEIGHT PROTECTION AGAINST NUISANCE TRIPPING DEPTH 70MM

2-POLE RCCB

WIDTH 2 MODULES
RATED VOLTAGE Un: 230 V



WIDTH 4 MODULES
RATED VOLTAGE Un: 400 V



Rated current In	Sensitivity I Δ n	Weight (g)	Ordering code
25 A	30 mA	200	0660 115
40 A	30 mA	200	0660 215
63 A	30 mA	200	0660 315
80 A	30 mA	200	0660 415

4-POLE RCCB (neutral on the right)

25 A	30 mA	400	0661 615
40 A	30 mA	400	0661 715
63 A	30 mA	400	0661 815
80 A	30 mA	400	0661 915

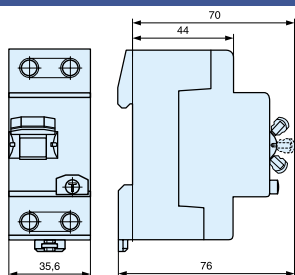
AUXILIARY UNITS FOR 2 AND 4 POLES RCCB'S



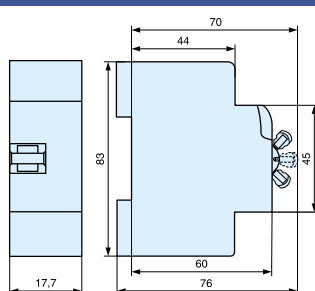
Auxiliary changeover switch
0650900

Auxiliary changeover switch (6A - 250 VAC) (must absolutely be used before mounting 1 or 2 other auxiliary units)	35	0650 900
Fault signalling changeover switch (6 A - 250 VAC)	30	0650 901
Shunt trip release unit (110 à 415 VAC) Assembled by snapping onto the left hand side of the RCCB	80	0650 902

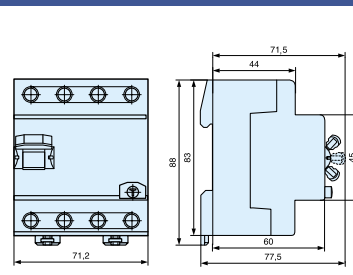
DIMENSIONS



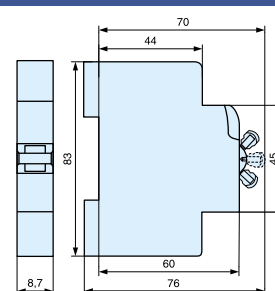
2 pole RCCB



Shunt trip release unit



4 pole RCCB



Auxiliary and fault signalling changeover switch

Tel 0131 448 2828 Fax 0131 448 2880
e-mail: sales@lpc-uk.com



The Panel Products Catalogue



**2001
PRICE
LISTS**

1. Control & Signalling
2. Camswitches
3. Switch Disconnectors
4. Residual Current Circuit Breakers
5. Relays
6. Timers
7. Control Relays
8. Counters
9. Solid State Relays
10. Solid State Interface Relays
11. Signal Towers, Beacons & Sounders
12. Footswitches

**Automation & Control
Specialists**

and a whole lot more!

REVERSO 2001

ITEM NO.	DESCRIPTION	SALE PRICE 01
0660000	Type AC 2 Pole 16A 10mA	27.18
0660110	Type AC 2 Pole 25A 30mA	20.27
0660120	Type AC 2 Pole 25A 100mA	24.32
0660130	Type AC 2 Pole 25A 300mA	24.32
0660210	Type AC 2 Pole 40A 30mA	20.27
0660220	Type AC 2 Pole 40A 100mA	24.32
0660230	Type AC 2 Pole 40A 300mA	24.32
0660310	Type AC 2 Pole 63A 30mA	28.37
0660320	Type AC 2 Pole 63A 100mA	27.42
0660330	Type AC 2 Pole 63A 300mA	29.81
0660410	Type AC 2 Pole 80A 30mA	28.37
0660420	Type AC 2 Pole 80A 100mA	27.42
0660430	Type AC 2 Pole 80A 300mA	31.71
0660610	Type AC 4 Pole 25A 30mA	28.61
0660620	Type AC 4 Pole 25A 100mA	31.00
0660630	Type AC 4 Pole 25A 300mA	31.00
0660710	Type AC 4 Pole 40A 30mA	28.61
0660720	Type AC 4 Pole 40A 100mA	31.00
0660730	Type AC 4 Pole 40A 300mA	31.00
0660810	Type AC 4 Pole 63A 30mA	36.48
0660820	Type AC 4 Pole 63A 100mA	35.29
0660830	Type AC 4 Pole 63A 300mA	35.29
0660002	Type A 2 Pole 16A 10mA	36.48
0660112	Type A 2 Pole 25A 30mA	25.27
0660122	Type A 2 Pole 25A 100mA	26.94
0660132	Type A 2 Pole 25A 300mA	26.94
0660212	Type A 2 Pole 40A 30mA	25.27
0660222	Type A 2 Pole 40A 100mA	26.94
0660232	Type A 2 Pole 40A 300mA	26.94
0660312	Type A 2 Pole 63A 30mA	31.95
0660322	Type A 2 Pole 63A 100mA	32.90
0660332	Type A 2 Pole 63A 300mA	32.90
0660412	Type A 2 Pole 80A 30mA	31.47
0660422	Type A 2 Pole 80A 100mA	30.04
0660432	Type A 2 Pole 80A 300mA	35.05
0661612	Type A 4 Pole 25A 30mA	35.53
0661622	Type A 4 Pole 25A 100mA	34.10
0661632	Type A 4 Pole 25A 300mA	34.10
0661642	Type A 4 Pole 25A 500mA	35.77
0661712	Type A 4 Pole 40A 30mA	35.53
0661722	Type A 4 Pole 40A 100mA	34.10
0661732	Type A 4 Pole 40A 300mA	34.10
0661742	Type A 4 Pole 40A 500mA	35.77
0661812	Type A 4 Pole 63A 30mA	40.06
0661822	Type A 4 Pole 63A 100mA	38.87
0661832	Type A 4 Pole 63A 300mA	38.87
0661842	Type A 4 Pole 63A 500mA	40.77