circuit breaker

General Protection circuit breaker P.G.

The PG circuit breaker range, from 5 to 60 A, (1 Ph + N) or (3 Ph + N), with or without earth leakage protection (300 mA - 500 mA or 650 mA), offers the right product to fit every type of installation.

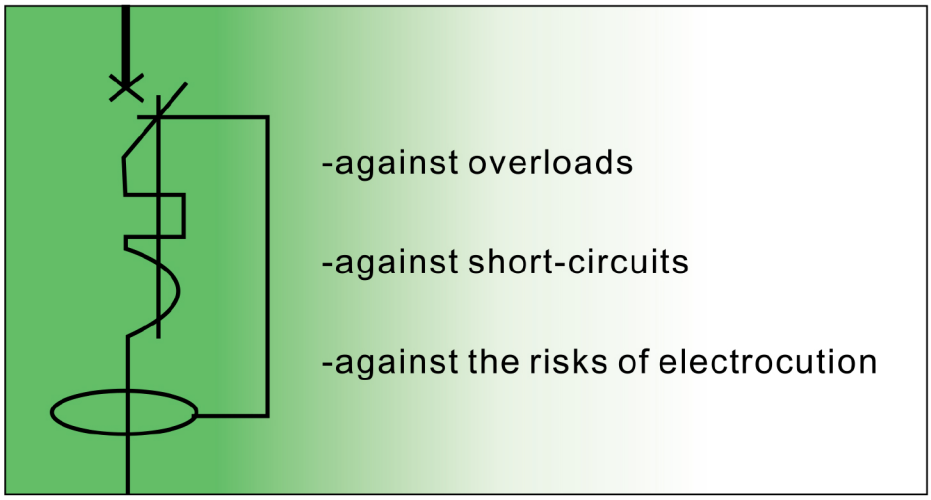
operating principles

- service connections are the interface between the Utility and the end-user customer.
- they connect the customer's electrical installation to the power distribution network.

advantages

- low-cost product, suitable for conventional service connections.
- multiple rating device.
- several levels of earth leakage sensitivity.
- complies with the French NFC 61 450 standard.

protection of the consumer's 'installation



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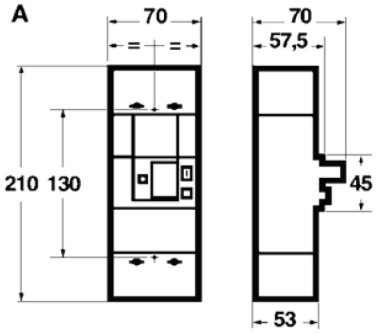
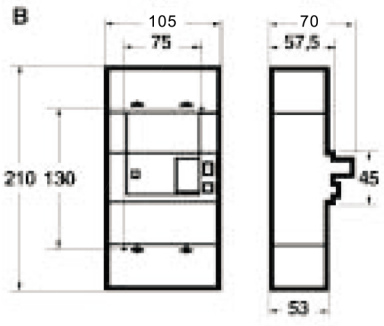
technical data sheet

size - mounting : diameter 4 screws

■ 2-pole 5 / 60 A



■ 4-pole 10 / 60 A

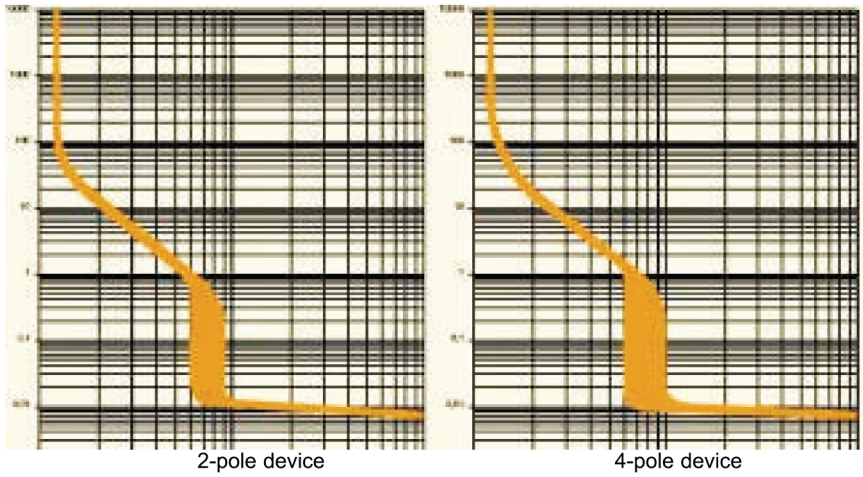


selection table

N.B.: For specific requirements (number of poles, rated voltage, output,…), please contact us.

type	rated current (A)	setting current (A)	rated voltage (V)	RCD (mA)	breaking capicity(*) (kA)	size	Gardv pârt number
2-pole 1 ph. + N	15	5/10/15	230	none 300 500		A	**PG 215 000** **PG 215 300** **PG 215 500**
	30	10/15/20/25/30	230	none 300 500	4.5	A	**PG 230 000** **PG 230 300** **PG 230 500**
	45	15/30/45	230	none 300 500	4.5	A	**PG 245 000** **PG 245 300** **PG 245 500**
	60	30/45/60	230	none 300 500	4.5	A	**PG 260 000** **PG 260 300** **PG 260 500**
4-pole 3 ph. + N	30	10/15/20/25/30	400	none 300 500	4.5	A	**PG 430 000** **PG 430 300** **PG 430 500**
	60	30/45/60	400	none 300 500	4.5	A	**PG 460 000** **PG460 300** **PG460 500**

(*) to IEC 1009 and 898



2-pole device 4-pole device

■ circuit breaker tripping zones

safety

■ thermal compensation
□ the pole settings are not affected by the ambient temperature.
■ residual current device
□ highly reliable, self-powered system
□ immunized against voltage surges of atmospheric origin
□ uninterrupted power supply for greater user convenience.
■ prevention of overvoltage
□ the neutral pole is designed to close first and open last to maintain a fixed potential.

electrical characteristics

■ earth leakage break time
□ < 0.2 s for 1IΔn
□ < 0.1 s for 2 IΔn
■ earth leakage tripping
□ 300 mA, 500 mA or 650 mA, self-powered
■ operating temperature
□ - 5 ° C to + 55 ° C
■ voltage drop
□ 1 pole + neutral < 0.9 V
■ insulation resistance
□ > 2 MΩ
■ dielectric withstand
□ 2 kV AC for 1 minute
□ 4 kV between poles and frame
■ tripping curve
□ C type

other characteristics

■ corrosion withstand
□ 8 days in damp chamber (CCTU4 cycle)
■ weight :
□ 2-pole : 0.6 kg - 4-pole : 1.0 kg

easy operation

■ operation in all positions
■ ON/OFF control by push-button
■ rating easily changed
■ lead-sealable terminal shields
■ captive terminal screws
■ pivoting terminals
■ copper cables up to 35 mm²
■ neutral identified in blue

environment

■ IP 40 protection

As standards and equipment change, please ask for confirmation of the characteristics and dimensions given in this document.

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YUEQING JUNWEI ELECTRIC CO.,LTD.

LOW VOLTAGE SERVICE CONNECTIONS

International Domestic Circuit Breaker
DDI

convenience and safety

The DDI circuit breaker range, from 5 to 60 A,
(1 Ph + N) or (3 Ph + N), with or without earth leakage protection 300mA 500mA 650mA
offers the right product to fit every type of installation.

Prevention of overvoltage
· The neutral pole is designed to close first and open last to maintain a fixed potential.

Protection against nuisance tripping
· Immunized against voltage surges of atmospheric origin
· Uninterrupted power supply for greater user convenience

Display of contact position
· Green indicator: contact open
· Red indicator: contact closed

Safety checking
· The test button may be used to simulate an earth leakage fault, thereby providing a simple way to check the system.

Easy operation
· operation in all positions
· ON/OFF control by push-button
· rating easily changed
· lead-sealable terminal shields
· captive terminal screws
· pivoting terminals
· copper cables up to 35 mm²
· neutral identified in blue

Advantages:

· multiple rating device
· temperature-compensated
· highly sensitive earth leakage protection
· complies with international standards
CEE 27, EN 60898 et IEC 1009