

## 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.

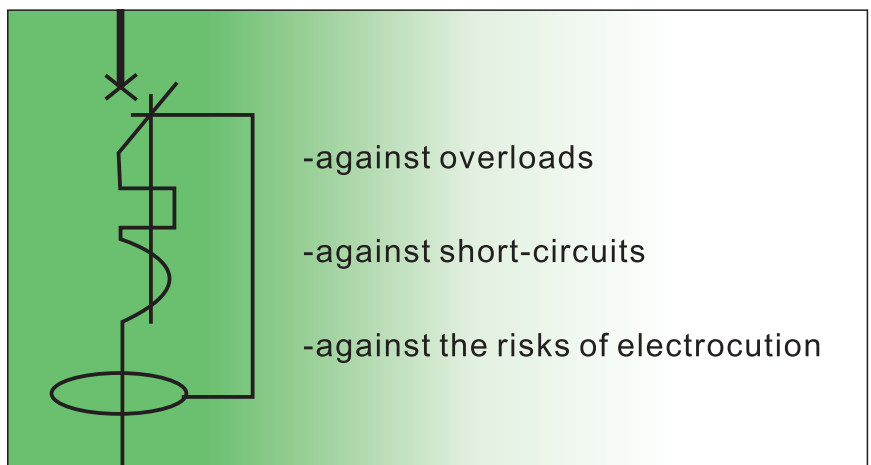
### operating principles

- 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*

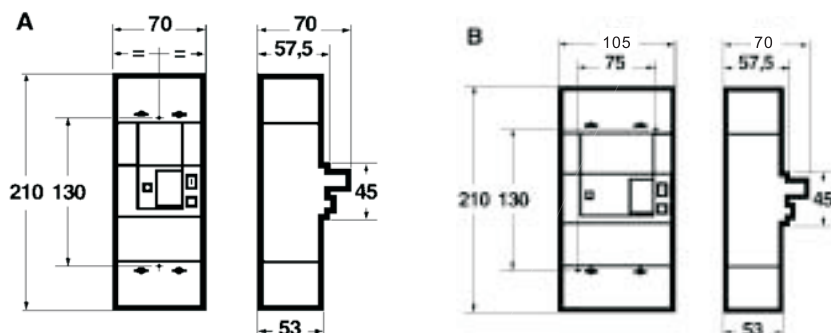


## technical data sheet

size - mounting : diameter 4 screws

■ 2-pole 5 / 60 A

■ 4-pole 10 / 60 A

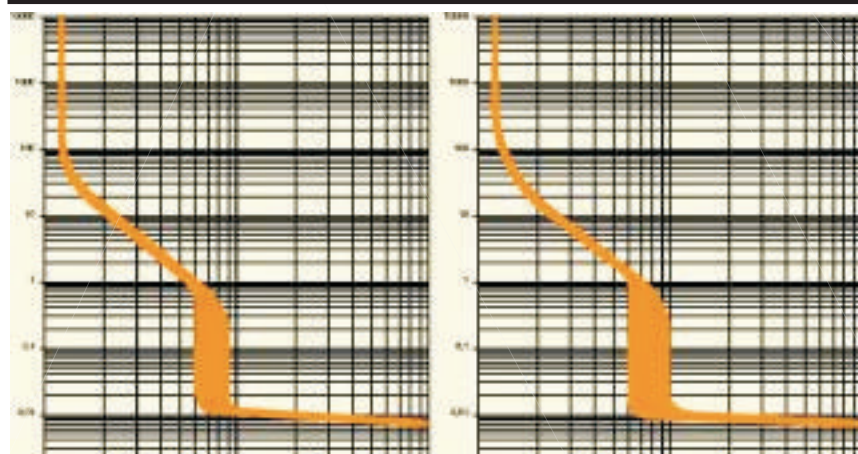


### selection table

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 capacity(*) (kA) | size | Gardv part number                      |
|------------------------|-------------------|---------------------|-------------------|--------------------|---------------------------|------|----------------------------------------|
| 2-pole<br>1 ph.<br>+ N | 15                | 5/10/15             | 230               | none<br>300<br>500 |                           | A    | PG 215 000<br>PG 215 300<br>PG 215 500 |
|                        | 30                | 10/15/20/25/30      | 230               | none<br>300<br>500 | 4.5                       | A    | PG 230 000<br>PG 230 300<br>PG 230 500 |
|                        | 45                | 15/30/45            | 230               | none<br>300<br>500 | 4.5                       | A    | PG 245 000<br>PG 245 300<br>PG 245 500 |
|                        | 60                | 30/45/60            | 230               | none<br>300<br>500 | 4.5                       | A    | PG 260 000<br>PG 260 300<br>PG 260 500 |
| 4-pole<br>3 ph.<br>+ N | 30                | 10/15/20/25/30      | 400               | none<br>300<br>500 | 4.5                       | A    | PG 430 000<br>PG 430 300<br>PG 430 500 |
|                        | 60                | 30/45/60            | 400               | none<br>300<br>500 | 4.5                       | A    | PG 460 000<br>PG 460 300<br>PG 460 500 |

(\*) 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 1I<sub>Δn</sub>
- < 0.1 s for 2 I<sub>Δn</sub>
- 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 mm<sup>2</sup>
- 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.

City, Zhejiang China



PGA.03



## 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 mm<sup>2</sup>
- 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

