

90 RCD

BDHP - TYPE A[IR] ADJUSTABLE BOOSTED IMMUNITY



GW 95 512

ADD-ON RESIDUAL CURRENT DEVICE

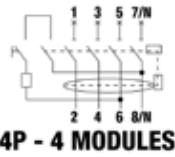
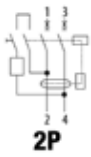


Code	Idn	Adjustable tripping time	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 4P						
GW 95 512	300-3000 mA	0 - 60 - 150 ms	125 A	400 V	6	1/2

CHARACTERISTICS: I_{da}: adjustable 300-500-1000-3000 mA; adjustable tripping time 0-60-150 ms.

Type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard add-on residual current devices. Immunity level 8/20 µs is 3000 A.

IDP NA - RESIDUAL CURRENT CIRCUIT BREAKERS (ACCESSORIES NOT AVAILABLE)



IDP NA - AC TYPE INSTANTANEOUS



GW D4 617

RESIDUAL CURRENT CIRCUIT BREAKERS



Code	Rated current	Idn	Rated voltage	Auxiliaries compatibility	ReStart compatibility	No. of modules EN 50022	Pack Carton
No. of poles: 2P							
GW D4 617	25 A	30 mA	230 V	No	Yes	2	1/6
GW D4 627	40 A	30 mA	230 V	No	Yes	2	1/6
No. of poles: 4P							
GW D4 427	25 A	30 mA	400 V	No	No	4	1/3
GW D4 429	25 A	300 mA	400 V	No	No	4	1/3
GW D4 431	40 A	30 mA	400 V	No	No	4	1/3
GW D4 433	40 A	300 mA	400 V	No	No	4	1/3
GW D4 435	63 A	30 mA	400 V	No	No	4	1/3
GW D4 437	63 A	300 mA	400 V	No	No	4	1/3

IDP NA - A TYPE INSTANTANEOUS



GW D4 817

RESIDUAL CURRENT CIRCUIT BREAKERS



Code	Rated current	Idn	Rated voltage	Auxiliaries compatibility	ReStart compatibility	No. of modules EN 50022	Pack Carton
No. of poles: 2P							
GW D4 817	25 A	30 mA	230 V	No	Yes	2	1/6
GW D4 827	40 A	30 mA	230 V	No	Yes	2	1/6
No. of poles: 4P							
GW D4 439	25 A	30 mA	400 V	No	No	4	1/3
GW D4 441	25 A	300 mA	400 V	No	No	4	1/3
GW D4 443	40 A	30 mA	400 V	No	No	4	1/3
GW D4 445	40 A	300 mA	400 V	No	No	4	1/3
GW D4 447	63 A	30 mA	400 V	No	No	4	1/3
GW D4 449	63 A	300 mA	400 V	No	No	4	1/3

90 RCD

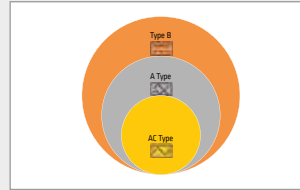


MAXIMUM PROTECTION IN MINIMUM SPACE



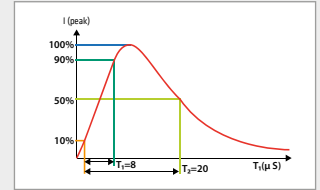
In the same application, the use of compact RCBO's guarantees a saving of the number of modules used which allows the installation of smaller distribution boards and therefore the cost is cheaper.

A CIRCUIT BREAKER FOR EVERY NEED



The 90 RCD range allows to meet all the needs of protection in electrical circuit with different types of earth fault currents, from sinusoidal alternating shape (AC type) and pulsating (A type), up to smooth DC shape (B type).

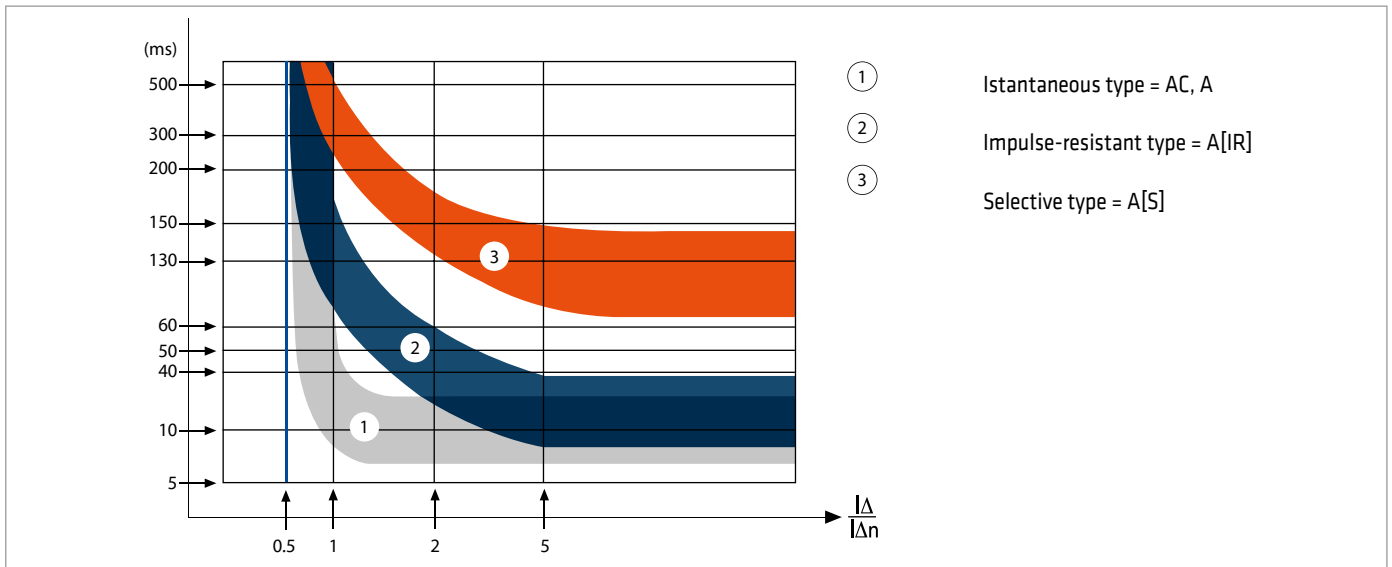
WITHOUT INTERRUPTION



The 90 RCD range also includes Impulse Resistant IR versions with high resistance to untimely tripping due to overvoltage impulses. These versions are particularly suitable for installations where the continuity of service is extremely important.

Residual current circuit breaker tripping characteristics

The following diagram shows the tripping range (relation between leakage current and tripping time) of the different type of RCCBs:



RCD TYPE	AC	A	B	Level of immunity (8/20μs)
RESIDUAL FAULT CURRENT TYPE	 • sinusoidal alternating	 • sinusoidal alternating • pulsating	 • sinusoidal alternating • pulsating • smooth DC	
1. INSTANTANEOUS First level of residual-current protection against direct and indirect contacts	✓	✓		250A
2. IMPULSE RESISTANT Prevention of untimely tripping caused by: • overvoltages due to indirect lightning strikes (8/20 μs impulse current waveform up to 3000A) • overvoltages due to manoeuvres on electrical network • overvoltages due to earth fault on three-phase system • permanent harmonics due electronic devices (immunity to currents with frequency higher than 50Hz) • starting current (immunity to the ring wave waveform)		✓	✓	3000A
3. SELECTIVE Second level of residual-current protection for total or chronometric selectivity with downstream RCDs		✓	✓	3000A 5000A