

# RGMD

## Ultraimmunised Earth Leakage Circuit Breaker



Compatible with the **WGC/WGS** earth leakage transformers

### Description

Ultraimmunised earth leakage and circuit breaker protection device. Compact solution mounted on DIN rails, used to prevent unwanted tripping in electrical installations.

Electronic earth leakage protection at 30 or 300 mA guarantees a high degree of immunity and displays the presence of voltage on the electric panel with LEDs.

- Easy cabling of the system's elements.
- Used in single and three-phase installations of up to 63 A.

### Applications

All electrical installations where process continuity is critical and protection of persons (30 mA) and machines (300 mA) is required, with non-adjustable immediate activation.

- Computer systems (UPS systems)
- Air-conditioning/cooling systems
- Lifts/Service lifts
- Alarm Systems

### Technical features

<b>Earth leakage protection</b>	Built-in element	<b>RG1M</b> earth leakage relay
	Type	Type A ( <b>IEC 60755</b> ) ultra-immunised
	Measurement	True Root Mean Square (TRMS)
	Sensitivity, $I_{\Delta}$	30 / 300 mA
	Trip delay, $t_{\Delta}$	INSTantaneous or General ( <b>IEC 61008-1</b> )
	Test and Reset	Using buttons T & R
	Associated control element	Emission trip coil, 230 Vc.a.
<b>Circuit breaker protection</b>	Associated sensor element	Earth leakage transformer <b>WGC/WGS</b>
	Built-in Element	Circuit breaker
	Current, $I_n$	6-10-16-20-25-32-40-50-63 A
	Number of poles	2 / 4
	Rated Voltage, $U_n$	240 / 415 Va.c.
	Trip curve	C (ask for other options)
	Cut off power	6 kA ( <b>EN 60898</b> ) (ask for other options)
<b>External signalling</b>	Green LED	Presence of voltage
	Red LED	Earth leakage trip
	LED Combination	Sensor disconnection
<b>External input</b>	Remote Test/Reset	Voltage-free input
<b>Electrical features</b>	Auxiliary power supply	230 Va.c. ( $\pm 20$ mA) 50 / 60 Hz
	<b>RG1M</b> Output contacts	250 Va.c., 5 A
	Coil input C1-C2	230 Va.c.
	<b>Mechanical features</b>	Operating temperature
Attachment		DIN Rail 46277 ( <b>EN 50022</b> )
Dimensions		2-pole: 4 DIN rail modules 4-pole: 6 DIN rail modules
Weight		2-pole: 425 gr 4-pole: 750 gr
Protection degree Terminals		IP 20, back panel IP 41
<b>Standards</b>		<b>IEC 60947-2</b> annex M, <b>EN 60898</b>

### References

#### 2 Poles

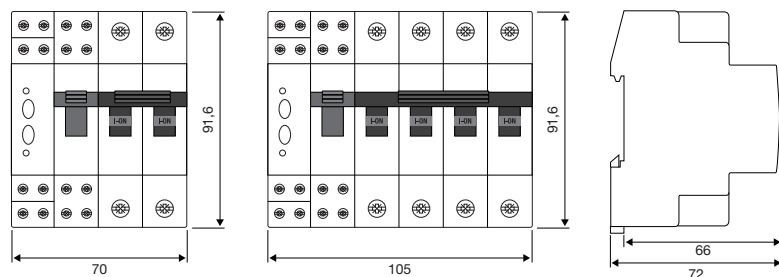
Type	Code	$I_n$	Sensitivity
RGMD-2-16-30	P13231	16 A	30 mA
RGMD-2-25-30	P13251	25 A	30 mA
RGMD-2-32-30	P13261	32 A	30 mA
RGMD-2-40-30	P13271	40 A	30 mA
RGMD-2-63-30	P13291	63 A	30 mA
RGMD-2-16-300	P13233	16 A	300 mA
RGMD-2-25-300	P13253	25 A	300 mA
RGMD-2-32-300	P13263	32 A	300 mA
RGMD-2-40-300	P13273	40 A	300 mA
RGMD-2-63-300	P13293	63 A	300 mA

#### 4 Poles

Type	Code	$I_n$	Sensitivity
RGMD-4-16-30	P13431	16 A	30 mA
RGMD-4-25-30	P13451	25 A	30 mA
RGMD-4-32-30	P13461	32 A	30 mA
RGMD-4-40-30	P13471	40 A	30 mA
RGMD-4-63-30	P13491	63 A	30 mA
RGMD-4-16-300	P13433	16 A	300 mA
RGMD-4-25-300	P13453	25 A	300 mA
RGMD-4-32-300	P13463	32 A	300 mA
RGMD-4-40-300	P13473	40 A	300 mA
RGMD-4-63-300	P13493	63 A	300 mA

Built-in **RG1M** toroidal earth leakage relay and circuit breaker with coil, C-curve, 6 kA (EN 60898).

### Dimensions



### Connexions

