

WG Series

# RG1M

Electronic earth leakage relay with external transformer of the WG / WGC Series



## Description

WG series electronic differential protection relay for connection to external **WG / WGS / WGC** series toroidal transformers

- These are highly reliable electronic relays with the option of a fixed or adjustable sensitivity and delay
- Measurement using true root mean square (TRMS) value
- DIN 46277 (En50022) Rail mounting
- Reduced one module size.
- LED status indication.
  - Power ON LED.
  - Leakage led ON. Tripped relay.
  - Power LED flashing and leakage LED ON. Detection of a transformer continuity fault

## Application

The **RG1M** relays combined with the **WG / WGC** transformer provides complete differential protection, both on single-phase and three-phase lines.

## Features

Protección	
Class	A superimmunized
Measurement	True root mean square (TRMS)
Sensitivity	30 or 300 mA
Delay	20 ms
Earth leakage transformer	External <b>WG / WGC</b> Series
Test and Reset	With built-in buttons, T & R
Remote Control	External Test Option
Associated circuit breaker	Contactor or automatic circuit breaker using a coil trigger
LED indicator	<ul style="list-style-type: none"> <li>• Power supply voltage</li> <li>• Leakage trigger</li> <li>• Disconnection of external transformer</li> </ul>
Circuit breaker control	Through a NO/NC switched relay, depending on the connection with the circuit breaker
Features	
Auxiliary power supply	230 Vac (± 20 %) 50 / 60 Hz
Output contacts	250 Vac, 6 A
Operating temperature	-10 ... +65 °C
Construction features	
Fixing	DIN Rail 46277 (EN 50022)
Dimensions	1 module
Weight	85 g
Degree of protection	IP 20 terminals
Standards	
IEC 60947-2, IEC 60755, IEC 62020, IEC 61008	

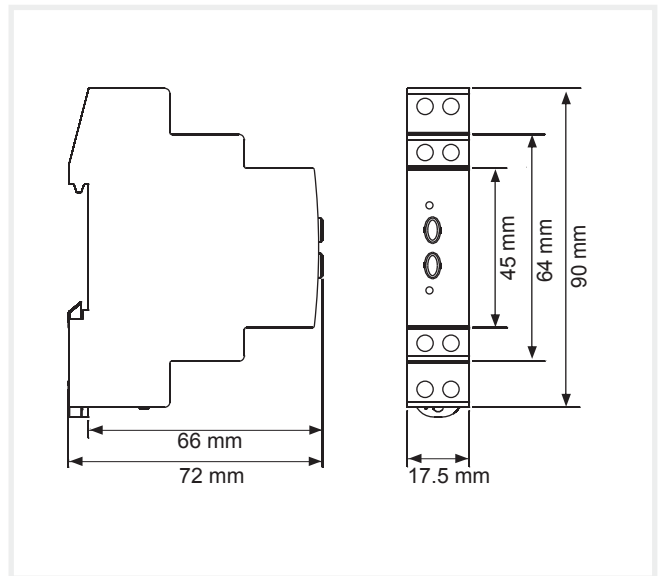
WG Series

**RG1M**

Electronic earth leakage relay with external transformer of the WG Series



Dimensions



References

Size	Attachment	$I_n$ (A)	Delay	Type	Code
1 modules	DIN rail	0.03	0.02 s	<b>RG1M-0.03</b>	<b>P12204</b>
1 modules	DIN rail	0.3	0.02 s	<b>RG1M-0.3</b>	<b>P12214</b>

Connections

