

WG Series

CBS-4 / CBS-4 C

Earth leakage monitoring and signaling unit
of the external transformer of the WG / WGC
Series



Description

- Unit equivalent to 4 earth leakage protection networks. 4 independent programmable relays available
- Four inputs to connect the external toroidal transformers of the **WG**
- Superimmunized Type A relay with high frequency current filtering and high immunity. Monitoring in true root mean square (TRMS)
- Reduced size, with 3 modules
- 5 independent programmable outputs (4 earth leakage trip relays and 1 pre-alarm trip).

Application

The **CBS-4** earth leakage unit associated to the transformers of the **WG / WGC** Series allows an smart earth leakage protection. Its design features guarantee maximum security and continuity of the electrical service, avoiding unwanted tripping.

Showing the value of the leak instantaneously on the display with the pre-alarm indications provides the information about the state of lines being protected, thus allowing the implementation of an adequate preventive maintenance approach.

In addition, version **CBS-4 C** with RS-485 communications is used with the PowerStudio *software*, which allows the centralised supervision of the system in real time, with a record log that can be analysed later on.

Features

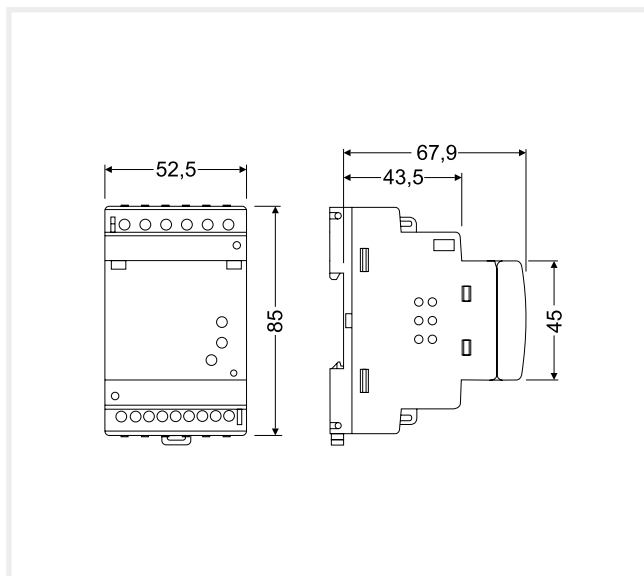
Protection	
No. of protections	4
Class	A superimmunized
Measurement	True root mean square (TRMS)
Sensitivity	0.03 A ... 30 A
Delay	Time defined: 0.02 ... 10 s Inverse curve: instantaneous or selective
Earth leakage transformer	External, TRANSFORMERS WG/WGP
Test and Reset	With built-in buttons, T & R
Associated circuit breaker	Contact or Circuit breaker + trigger coil
LED indicator	<ul style="list-style-type: none"> Power supply voltage Leakage trip Pre-alarm Interlocked earth leakage self-reclosing
Display View	<ul style="list-style-type: none"> Current trip (red display when triggered) Instantaneous leak level indicator in each channel Parameter programming State of the self-reclosing- Disconnected external trans. indicator- Automatic self-reclosing enabled
Features	
Auxiliary power supply	230 Vac (± 20 %) 50 ... 60 Hz
Output contacts	250 Vac, 5 A
Operating temperature	-10 ... +50 °C
Construction features	
Fixing	DIN Rail 46277 (EN 50022)
Dimensions	3 modules
Weight	236 g
Degree of protection	IP 20 Terminals, IP 41 back panel
Standards	
IEC 664, VDE 0110, IEC 801, UL 94, IEC 348, IEC 571-1, EN 61000-6-3, 61000-6-1, 61010-1	

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Dimensions



References

Size	Communications	No. of Relays	I_n (A)	Type	Code
3 modules	-	4	0.03 ... 30 s	CBS-4	P12711
3 modules	RS-485	4	0.03 ... 30 s	CBS-4 C	P12712

Connections

