

WG Series

CBS-8

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



Description

- Unit equivalent to 8 earth leakage protection networks. 8 independent programmable relays available
- 8 inputs to connect the external toroidal transformers of the **WG / WGP**
- Superimmunized Type A relay with high frequency current filtering and high immunity. Monitoring in true root mean square (TRMS)
- Size adapted for 8 modules
- 9 independent programmable outputs (8 earth leakage trip relays and 1 pre-alarm trip).

Application

The **CBS-8** earth leakage station associated to the transformers of the **WG / WGP** 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, RS-485 communications are used with the **Power Studio** software, which allows the centralised supervision of the system in real time, with a record log that can be analysed later on.

Features

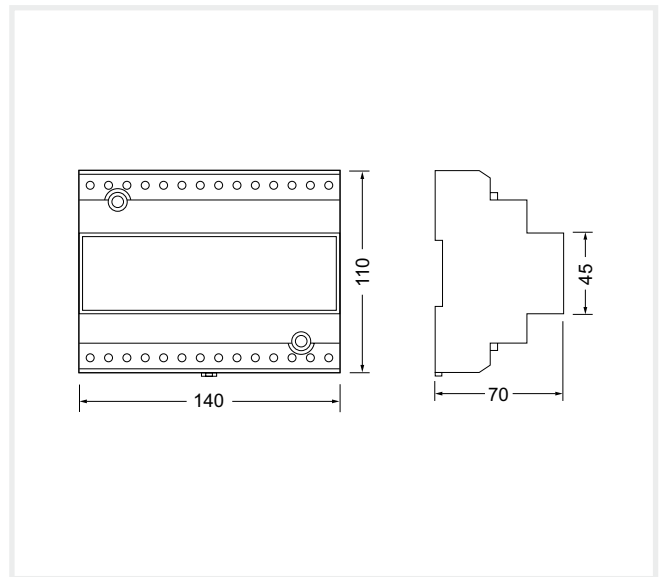
Protection	
No. of protections	8 Independent lines
Class	A superimmunized
Measurement	True root mean square (TRMS)
Sensitivity	0.03 A ... 6.3 A external transformers WG / WGS 0.03 A ... 63 A external transformers WGP/WGSP
Delay	Time defined: 0,02 ... 10 s Inverse curve: instantaneous or selective
Earth leakage transformer	External, TRANSFORMERS WG / WGP
Test and Reset	With built-in buttons, T & R
Associated circuit breaker	Contact or Circuit breaker + trigger coil
Self-reclosing	
No. of reclosures	0 Programming option ... 10
Time between reclosures	0 Programming option ... 900 s
Partial counter reset time	Double the reclosing time
LED indicator	<ul style="list-style-type: none"> • Power supply voltage • Leakage trip • Pre-alarm • Interlocked earth leakage reclosing • Automatic self-reclosing enabled
Display View	<ul style="list-style-type: none"> • Instantaneous leak level indicator in each channel • Parameter programming • Self-reclosing status
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	8 modules
Weight	609 g
Degree of protection	IP 20 Terminals, IP 41 back panel
Standards	
IEC 60947-2, IEC 60755, IEC 62020, IEC 61008	

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Dimensions



References

Size	Communications	No. of Relays	I_n (A)	Type	Code
8 modules	RS-485	8	0.03 ... 63 A	CBS-8 (*)	P12811

(*) In the case of the 0.3 ... 63 A scale, use earth leakage transformers of the WGP / WGSP

Connections

