

CBS-4 / CBS-4C

Multipoint earth leakage system for measurement and signalling with external transformer of the WGC / WGS series



Compatible with
WGC earth leakage
transformers

Description

Unit equivalent to 4 earth leakage protection networks. Features 4 independent programmable relays. Four inputs for connecting the external toroidal transformers of the **WGC / WGS** series. Super-immunised type-A relay with high-frequency current filtering and high immunity. True root mean square (TRMS) measure

- Compact size: 3 modules
- Features 5 independent programmable outputs (4 earth leakage tripping relays and 1 prealarm relay).

Applications

The **CBS-4** multipoint earth leakage system associated with the **WGC / WGS** transformers offers smart earth leakage protection. Its design features guarantee maximum security and electrical service continuity, avoiding unwanted tripping. Viewing the instantaneous leakage value on the display, together with the prealarm indicators, makes it possible to obtain information on the status of lines to be protected, and to perform adequate preventive maintenance.

In addition, version **CBS-4 C** features RS-485 communications and, with the PowerStudio software, offers centralised supervision in real time, as well as keeping a log of historical data for future analysis.

Technical features

Protection	No. of protection elements	4 independent lines
	Class	A super-immunised
	Measurement	True root mean square (TRMS)
	Sensitivity	0.03...3 A (5-10-30 A, by setup)
	Delay	Time defined: 0.02...10 s Inverse curve: Instantaneous or selective
	Earth leakage transformer	External, WGC / WGS series
	Test and reset	With built-in buttons, T & R
	Associated circuit breaker	Contact or circuit breaker + trigger coil
	LED indicators	Power supply voltage Leakage trip Prealarm
	Display	Trip current (red display when tripped) Instantaneous level of leakage indicator in each channel Parameter programming External transf. disconnected indicator
Electrical features	Power supply U_n	230 V~ ($\pm 20\%$) 50 / 60 Hz
	Output contacts U_n / I_n	230 V~ / 6 A
	Operating temperature	-10 ... +50 °C
Mechanical features	Attachment	DIN rail (IEC 60715)
	Dimensions	3 modules
	Weight	168 g
	Enclosure	Polycarbonate self-extinguishing plastic V0
Electrical safety	Protection degree	Front: IP 41, IP 20 on back panel
	Installation category	CAT III 300 V
	Insulation class	Double insulation class II
	Maximum altitude	2000 m
Certifications	CE	
Standards	IEC 60947-2-M (IEC 60755, IEC 62020), IEC 61008-1	

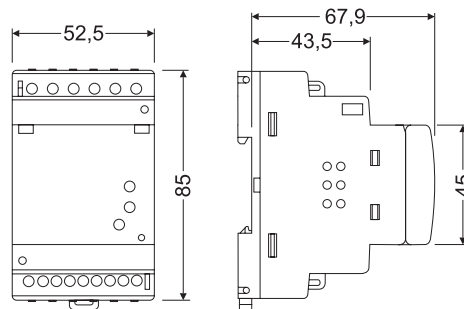
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References

Type	Code	Communications	No. Relays	I_n (A)
CBS-4	P12711	-	4	0,03 ... 30
CBS-4 C	P12712	RS-485 Modbus/RTU	4	0,03 ... 30

Dimensions



Connections

