

CBS-1600A

CBS-1600A, Multi-channel leakage current monitoring relay type A

Code: P12B01.

> Protocol: Modbus/RTU
> Módules: 6
> Pre-alarm relay: Yes
> Communications: RS-485
> Nº relays: 2
> Nª Input channels: 16 (A)
> Power supply: 230 V ~ (± 15%)
> Delay: 0,1-0,3-0,5-0,8-1-2-3-5 s
> Sensitivity: 30 ... 3000 mA
> Mounting: DIN rail

Description

The **CBS-1600A** is an earth leakage current monitoring device that can be used to connect up to 16 type-A channels via transformers in the **WGC** range.
The device has a screen to display the 16 channels, 2 relays (alarm and pre-alarm) and RS-485 communications.

Application

The **CBS-1600A** is suitable for installations with all neutral regimes: TT, TN and IT, where residual current monitoring is required.

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CBS-1600A

Type-A earth leakage monitoring relay with 16 channels

Code: P12B01.

Specifications

AC power supply

Installation category	CAT III 300V
Consumption	10 VA
Frequency	50 ... 60 Hz
Nominal voltage	230 V~ (± 15 %)

Mechanical characteristics

Size (mm) width x height x depth	105 x 117.85 x 74 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,55

Environmental characteristics

Protection class	IP 30, IP 40 (Front)|IK 08
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-20 ... +70 °C
Working temperature	-10 ... +50 °C

Electrical characteristics

Conditional short-circuit current (Icc)	Depends on the circuit breaker
Sensor	Type A: WGC - WGS
Type	Type A (50 ... 60 Hz.)

Digital inputs

Input impedance	2 kΩ
Input/output insulation	5.3 kV
Type	Potential-free contact

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300V ~
Electrical safety, Contamination level/class	2
Standards	IEC 62020-1

User interface

LED	2
Keyboard	3 keys
Display type	LCD (negative)



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Digital relay outputs

Quantity	2
Maximum current	6 A
Maximum open contact voltage	230 V ~
Electrical life	60×10^3 (250 V ~ / 5A)
Mechanical life	10×10^6
Maximum switching capacity	1500 VA

Differential protection

Delay time (tΔ)	0.1-0.3-0.5-0.8-1-2-3-5 s

Serial communication

Protocol	Modbus/RTU
Technology / Type	RS-485

CBS-1600A
16 type A residual current channels monitoring

CODE	TYPE	Nº relays	Nª Input channels	Communications	Protocol	Módules	Pre-alarm relay	Power supply
P12B01.	CBS-1600A	2	16 (A)	RS-485	Modbus/RTU	6	Yes	230 V ~ (± 15%)

Associated with WGC-type residual current transformers

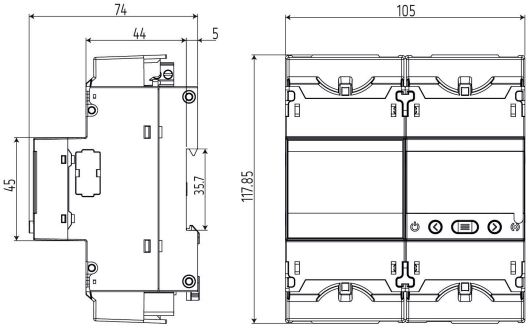


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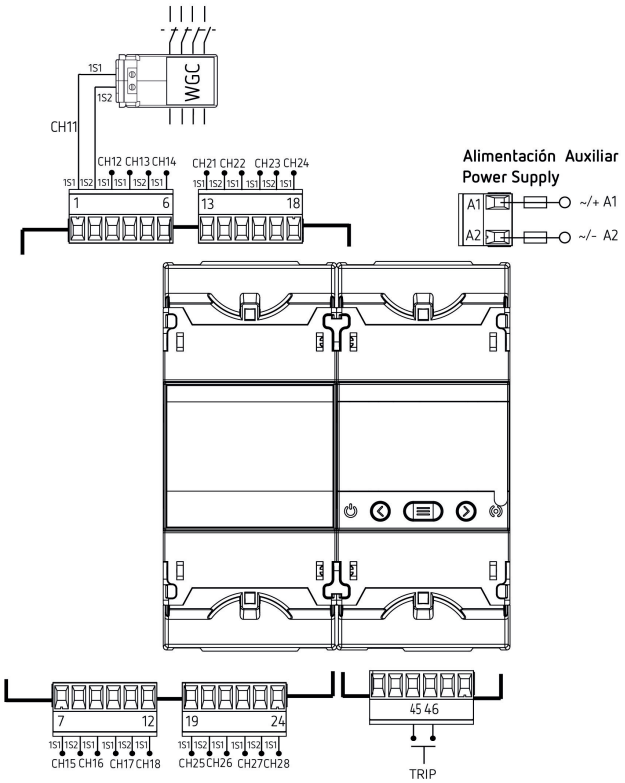
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Dimensions



Connections



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