

CBS-400A

CBS-400A, Station with 4 programmable residual current relays, type A

Code: P12A71.

> Protocol: Modbus RTU
> Módules: 3
> Pre-alarm relay: Yes
> Communications: RS-485
> N° relays: 4
> IΔn (A): 0,03 ... 30 A
> Power supply: 110 ... 230 V~
> Delay: 0,1 ... 5 s, INS, SEL
> Mounting: DIN rail

Description

- Unit equivalent to 4 residual current 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 residual current tripping relays and 1 prealarm relay).

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Specifications

AC power supply

Installation category	CAT III 300V
Consumption	7,5 VA
Frequency	50 ... 60 Hz
Nominal voltage	110 ... 230 V~

Mechanical characteristics

Size (mm) width x height x depth	52.5 x 118 x 74 (mm)
Envelope	Self-extinguishing V0 plastic
Weight (kg)	0,26

Environmental characteristics

Protection class	IP 30, IP 40 (Front)
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-20 ... +70 °C
Working temperature	-10 ... +60 °C

Electrical characteristics

Sensor	Type A: WGC

Digital inputs

Input impedance	94 kΩ
Input/output insulation	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 60947-2-M, IEC 62020-1, UNE-EN 60068-2-1, UNE-EN 60068-2-2, UNE-EN 60068-2-78

User interface

LED	2
Keyboard	3 buttons
Display type	LCD (negative)

Digital relay outputs

Quantity	4
Maximum current	6 A
Maximum open contact voltage	230 V ~ ± 15 %

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Electrical life	60×10^3
Mechanical life	10×10^6
Maximum switching capacity	1500 VA

Digital transistor outputs

Type	Optoisolated
Maximum current	0.1 A
Maximum voltage	9 ... 48 V ~ / Vcc

Differential protection

Type	Type A ultra-immunised
Sensitivity (IΔn), A	0.03-0.1-0.3-0.5-1-3-5-10-30 A
Delay time (tΔ)	INS-(S)-0.1-0.2-0.3-0.4-0.5-0.8-1-2-3-5 s

Serial communication

Protocol	Modbus/RTU
Technology / Type	RS-485

CBS-40A/400A

Ultraimmunized 4 channels residual current relays, type A, 3 modules with display and a configurable prealarm output.

CODE	TYPE	N° relays	IΔn (A)	Módules	Pre-alarm relay	Power supply	Communications	Protocol
P12A70.	CBS-40A	4	0,03 ... 30 A	3	Yes	110 ... 230 V~		
P12A71.	CBS-400A	4	0,03 ... 30 A	3	Yes	110 ... 230 V~	RS-485	Modbus RTU

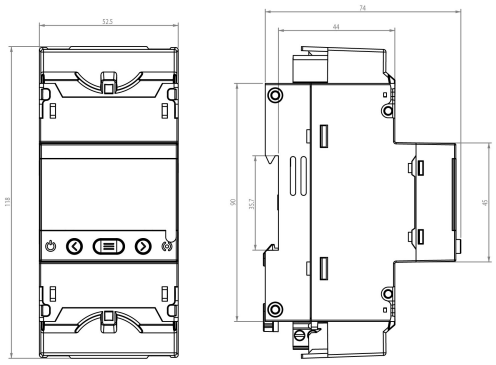
For supply voltages other than 230 Vac, please consult us.



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Dimensions



Connections

