



CBS-40A

CBS-40A, Station with 4 programmable residual current relays, type A

Code: P12A70.

- > Módulos: 3
- > Pre-alarm relay: Yes
- > N° relays: 4
- > $I_{\Delta n}$ (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-immunized 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 ($I_{\Delta n}$), A | 0.03-0.1-0.3-0.5-1-3-5-10-30 A |
| Delay time (t_{Δ}) | INS-(S)-0.1-0.2-0.3-0.4-0.5-0.8-1-2-3-5 s |

CBS-40A/400A

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

| CODE | TYPE | N° relays | $I_{\Delta n}$ (A) | Módulos | 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 |

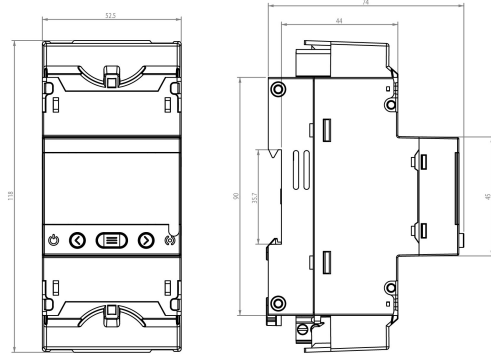
For supply voltages other than 230 Vac, please consult us.



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Dimensions



Connections

