



SMC96 230V

SMC96 230V, Synchronoscope

Code: M14432. DESCATALOGADO

- > System: Single-phase
- > Accuracy: 1,5
- > Measurement Range (V): 230
- > Device: SMC96
- > Modules: 96x96

Description

- Does not need an auxiliary power supply
- DIN box with dimensions: 96 and 144 mm
- Class 1
- For single and three-phase circuits
- Does not need an auxiliary power supply
- DIN box with dimensions: 72 and 96 mm
- Class 1.5
- Built-in voltage relay
- Low consumption

Application

To provide a correct reading of the difference between the frequency and phase angle between two generators or a generator and the network, when connected in parallel. When the difference is zero, the instrument's needle does not move from the synchronization mark located in the centre of the scale.

The instrument scale is divided in two areas marked with the (+) and (-) signs. These signs indicate whether the machine being connected has a higher or lower frequency than the other one, respectively. Synchronism is achieved when the needle is on the (-) side, slowly turning towards (+). The needle of the instrument starts to turn in the correct direction when the difference in frequencies is 1.5 Hz for three-phase systems or 0.5 Hz for single-phase systems.



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Synchronization and marine applications equipment

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Specifications

Electrical characteristics

| | |
|--------------------|--------|
| Frequency | 50 Hz. |
| Permanent overload | 1,2 Un |

Mechanical characteristics

| | |
|----------------------------------|----------------------|
| Size (mm) width x height x depth | 96 x 96 x 101.2 (mm) |
| Fastening | Panel |
| Weight (kg) | 1,7 |

Environmental characteristics

| | |
|-----------------------|----------------|
| Operating temperature | +10 ... +30 °C |
|-----------------------|----------------|

Standards

| | |
|---------------------------------------|------|
| Electrical safety, Maximum height (m) | 2000 |
|---------------------------------------|------|



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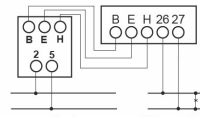
Connections

Esquemas de conexión
Connections diagrams



Connection:
Conexión:

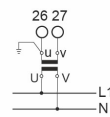
Voltage transf.
Transf. Tensión



Red Network
Generator

Directa / Direct

Monofásico (100, 110, 230 V)
Single-phase



Voltage transf.
Transf. Tensión