SMC96 500V

SMC96 500V, Synchronoscope

Code: M14434.

> System: Single-phase
> Accuracy: 1,5
> Measurement Range (V): 500
> 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 that 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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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

SMC / STC
Synchronoscope

CODE	TYPE	Accuracy	Modules	Device
Single-phase				
M14434.	SMC96 500V	1,5	96x96	SMC96
Three-phase				
M14435.	STC96 110V	1,5	96x96	STC96

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Connections