SYR 93
Synchronous Control Relay

VP-SYR93-EN

Description

Control unit for enabling the interconnection of two synchronous networks, taking into account the phase and the voltage amplitude.

The DIP switch can be used to define various conditions (voltage values) between the two alternating voltages that lead to the release of an inter-connection.

The phase position can also be set digitally in 2° steps (f = 50 Hz) from 0° to 30° using a DIP switch. The phase sequence analysis can be switched on or off.

Via LEDs, ranges (20% ... 80%) of the measured voltage levels and the state of the enabling relay are displayed.

A special safety circuit (plausibility test) prevents unintentional connection of the two alternating voltages in the event of defective electronics.

Advantages / features

- LED indicators for power supply, fault, alarm
- Phase sequence analysis can be switched on / off
- Analysis of the voltage level can be switched on / off
- All circuits galvanically isolated

Application Example

Electricity supply

Technical Specifications (subject to modifications)

Operating voltage	48 VDC (+/- 20 %) or 120 VDC (+/- 20 %)
Power input	< 2 W
Nominal voltage	100 V / 50 Hz
Measuring error	< 1% to nominal voltage
Phase error	< 0.5°
Relay outputs	120 VDC / 0.5 A potential-free
Mounting on	DIN rail 35 mm
Operating temperature	0 °C to 40 °C
Dimensions (W x H x D)	75 x 100 x 120 mm

Models

Standard	A60101000

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