

SLC-94

- ⦿ timer
- ⦿ 2 pulse counting inputs
- ⦿ 1 counter reset input
- ⦿ RS-485 / Modbus RTU

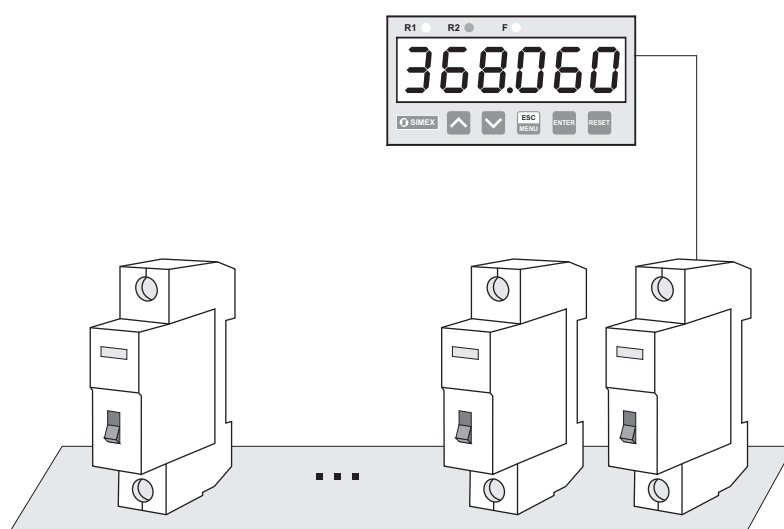


The **SLC-94** is used to precisely measure time, for example in the production cycles. The signals from buttons or potential-free output contacts of the external control devices are wired to the connectors located on the rear panel of the device. The appropriately programmed counter enables measuring of the time lag between the "START" and "STOP" signals or measuring the duration of the "START" signal. One of the menu options enables also operation of the device by means of the keypad on the front panel. Time count is performed in the range from 0 ms to 1 000 000 seconds (maximum available time value).

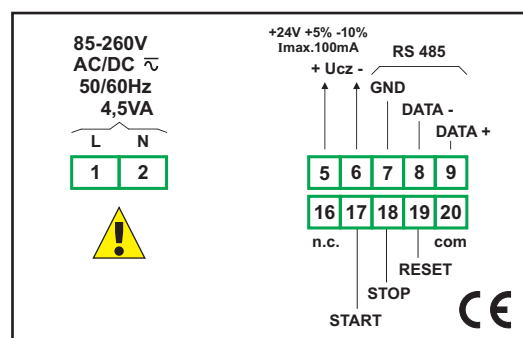
- 2 counter reset sources: manual or electronic,
- keypad operation option,
- display mode selection: "seconds.milliseconds" or "hours.minutes.seconds.milliseconds",
- password protection,
- programmable decimal point position,
- versions available with AC and DC power supply.

Typical applications

1. Measuring the activation time of residual current circuits breakers (RCCB) in the test phase



Exemplary pin assignment



Technical data

Power supply: 19V + 50V DC; 16V + 35VAC or 85 + 260VAC/DC
Power consumption: for 85 + 260V AC/DC and 16V + 35V AC power supply: max. 4,5 VA; 19V + 50V DC power supply: max. 4,5 W
Display: LED, red, 6 x 13 mm high
Inputs: pulse, galvanically isolated
 START input - start count
 STOP input - stop count
 RESET input - counter reset
 COM input - common
Displayed values range: depending on the display format (max. from 0 ms to 1 000 000 sec.)
Resolution: 1 ms
Inputs sampling frequency: > 10 kHz
Minimum time between input signals edges: 500 s
Accuracy: ± 0,005 % of displayed value
Input levels: low: 0 V + 3 V
 high: 10 V + 30 V

Transducer power supply output: 24V DC +5% -10% / max. 100 mA, stabilized, not insulated from measuring inputs

Communication interface: RS 485, 8N1, 1200 bit/s + 115200 bit/s, Modbus RTU (not galvanically isolated)

Data memory: non-volatile memory, EEPROM type

Operating temperature: 0°C + +50°C

Storage temperature: -10°C + +70°C

Protection class: IP 65 (front side when an additional frame is installed); IP 40 (front side); IP 20 (case and connection clips)

Case: board

Case material: NORYL - GFN2S E1

Case dimensions: 96 x 48 x 100 mm

Panel cut-out dimensions: 90,5 x 43 mm

Installation depth: min. 102 mm

Board thickness: max. 5 mm

Ordering

SLC-94-2400-1-X-XX1

options:

- 00 : no options
- 01 : IP65

power supply:

- 3 : 24V AC/DC
- 4 : 85V - 260V AC/DC