

Current-Relay STW2V

Current-Detection AC/DC with Current-Sensor S1

STW2V



The current relay STW2V in combination with a current-sensor S 1 monitors AC- and DC-current-flow yes/no. It supplies the power for the current-sensor. The STW 2 V can also be used as a switching-amplifier for potential-free contacts.

Application:

- Monitoring of current-flow yes/no for AC- and DC-currents
- Detecting state (on/off or defective) of a load by measuring the current in the feed line
- Monitoring of fuses
- Control of dedusting fans at welding work-stations with automatic run-after for the motor of the fan

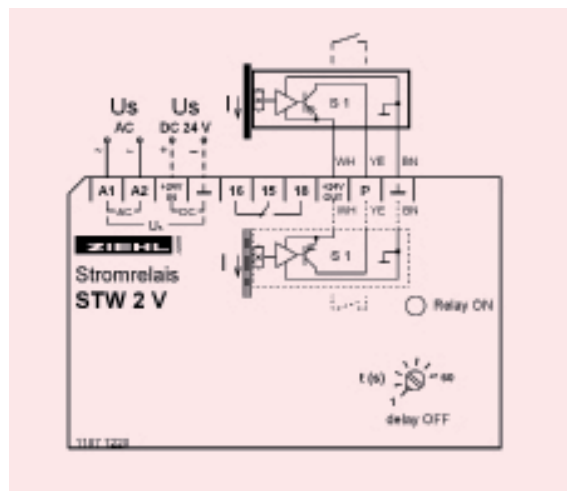
Features

- Input for current-sensor S 1
- Detection of AC- and DC- currents
- Switching-point see current-sensor S 1
- Switch-off delay adjustable 1-60 s
- Relay-output 1 change-over contact
- Housing for mounting in switchgear-cabinets

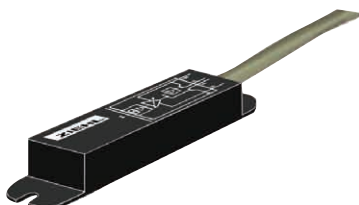
Order-number

AC 220 - 240 V

S225541



Current-Sensor S1 for AC- und DC-currents



The current-sensor S 1 records the current in a cable with a hall-sensor. At currents of app. 5 A (adjustable version 5-30 A) the transistor-outputs report a current in the monitored cable. The current-sensor can be easily fixed to the cable without disconnecting it. This allows a simple change of cables. For mounting at welding devices a version for mounting in a tong is available.

Features:

- switching point app. 5 A (option: adjustable 5-30 A)
- mounting without disconnection of cable possible
- LED for current-flow
- robust, sealed execution
- overload capacity unlimited

Order-numbers::

Current-sensor S 1, 5 A fixed

S225693

Current-sensor S 1, 5-30 A adjustable

S225694

Technical Data

Supply voltage U_s

AC 220 - 240 V, +10...-15%, < 3 VA, 50/ 60 Hz
DC 24 V, $\pm 20\%$

Relay output

Type of contact

Test conditions

Rated ambient temp. range

1 change-over contact (co)

type 2 see "general technical informations"

see "general technical informations"

-20°C...+55°C

Inputs

Switching point

1 current-sensor S 1 or potential-free contact
see current-sensor S 1

Switch-off delay

Switch-on delay

Overload capacity

adjustable 1...60 s

app. 0,5 s

with current-sensor S 1 unlimited

Dimensions (H x W x D)

Attachment

Protection housing/terminals

Weight

Design V4: 90x70x58 [mm], mounting height 55 mm
on 25 mm DIN-rail or with screws M4

IP 30 / IP 20

app. 190 g