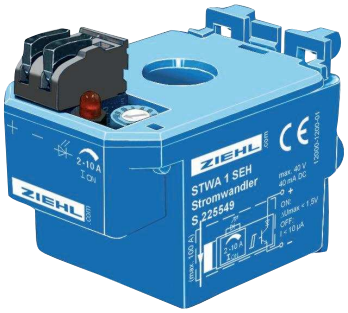
AC-Electronic Current Transformer STWA1SEH

adjustable 2...10 A, with transistor-output

STWA1SEH
Electronic current transformer with fixed switching-point 2...10 A



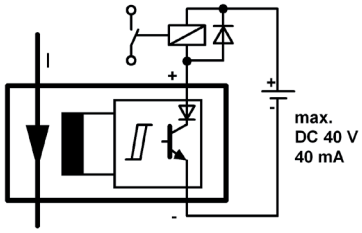
The STWA1SEH has an integrated electronic with transistor-output.
The switching point is adjustable 2-10 A. Above switching-point the output transistor is switched on, below it is off.
The conductor is simply pushed through the transformer. Multiple loops reduce the switching point correspondingly, for instance to 0.5-2,5 A with four loops. A supply voltage is not required.
For monitoring of higher currents, the STWA1SEH is simply looped into the secondary current of big current transformers.

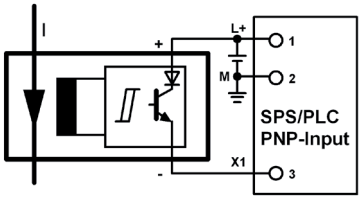
Application: The STWA1SE is used where AC current flow is to be detected in a conductor, e.g. to give a warning if a defined current value is exceeded or not reached, or to switch off a machine or to simply report the current flow.

- adjustable switching limit 2...10 A
- isolated transistor-output max. DC 40 V/40 mA
- output can be directly connected to the digital input of a PLC
- LED for display state of output
- integrated diode for reverse voltage protection
- electrical connection via screwless pluggable terminals
- no supply voltage required
- plug-in current transformer (Ø 11 mm)
- max. overload 100 A continously, 300 A / 10 s

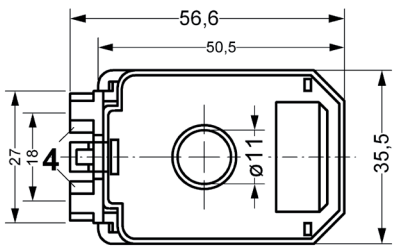
Order-number **S225550**

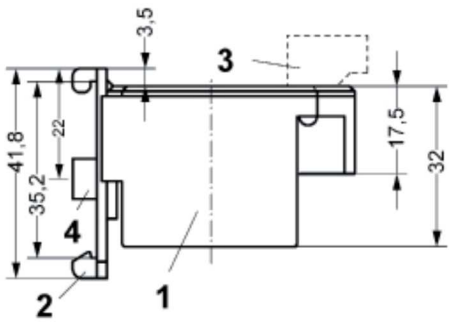
Switching point at Tu = 25°C	AC 2...10 A ±25 %
Hyseteresis	5...30 %
Repeat accuracy	± 2 %
Temperature dependence	< 0,06%/K
Overload cap. continous / 10s	100 A / 300 A
Output voltage/current max.	DC 40 V / 40 mA
Voltage drop (ON)	max. 1,5 V
Leak current (OFF)	max. 0,6 mA
Switch-on /switch-off delay	0,2...2s / ≤0,3 s
nominal frequency	50 Hz
operating range	30...70 Hz
error	≤ 3%/Hz
rated ambient temperature range	-20...+50°C
Housing	Design H
Dimensions (h x w x d)	50 x 36 x 56 mm
Diameter for conductor	11 mm
Weight	app. 90 g





Dimension illustrations





1 Housing
2 Clip for DIN-rail (removeable)
3 Terminal (pluggable)
4 Wall-mounting (M4)