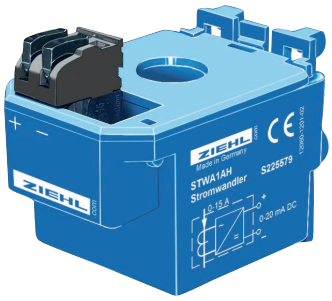
AC-Electronic Current Transducer STWA1AH
with analog output

STWA1AH
Electronic current transformer
AC 0...15 A - DC 0...20 mA



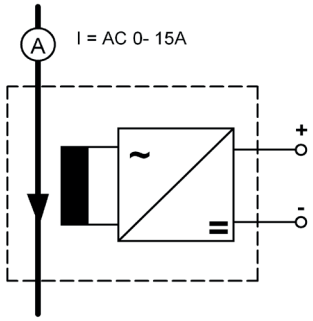
Part number: **S225579**

The STWA1AH is a measuring transducer for AC currents 0...15 A. Multiple loops of the conductor through the transformer reduces the measuring range correspondingly (for instance to 0...5 A with three loops).
For the monitoring of currents of any level, the STWA1AH is simply looped into the secondary circuit of a large transformer with secondary 5 A (cable three times through the STWA1AH). Consequently, the output is proportional to the primary current of the transformer, e.g. 0...100 A for a transformer with 100/5 A.
The analog output is isolated. The load should be 50...300 Ω.

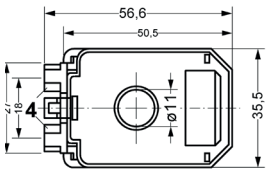
Application: The STWA1AH makes it possible to monitor the value of an AC current. The output signal can be evaluated or displayed with components with analog inputs, e.g. ZIEHL TR210, STW1000/V2 or MINIPAN®.

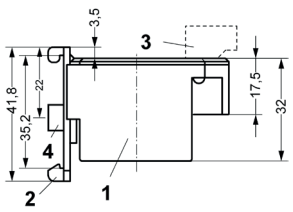
- current-proportional analog output DC 0...20 mA = AC 0...15 A (isolated)
- electrical connection via screwless pluggable terminals
- no supply voltage required
- DIN-rail-mount or with screws
- plug-in current transformer (Ø 11 mm)
- max. overload 100 A continously, 300 A / 10 s
- plug-in current transformer, easy assembly

Monitoring range	AC 0 - 15 A
Analog output	DC 0 - 20 mA
Adjustment time	< 0,5 s.
Error (from 10% / I_{nom})	<3% from FS (at 100 Ω), <5% 50...200Ω <7% ..300Ω
Error with other load	+5%/100 Ω, max. 500 Ω
Temperature coefficient	< 0,06%/K
Ripple at 50 Hz	<2,5 % at 300Ω, <4,5 % at 100Ω, <7,5 % at 50Ω
Nominal frequency	50 Hz
Operating range	30...400 Hz
Error	≤ 0,2%/Hz
Overload cap. continous / 10s	100 A / 300 A
Rated ambient temperature range	0...55°C
Housing	Design H
Dimensions (h x w x d)	42 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)