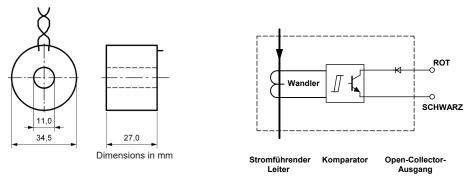


AC-Electronic Current Transformer STWA1S

with transistor-output

<text><text><image/></text></text>	The STWA1S has an integrated electronic with transistor-output. The switching point is 2A. Above app. 2 A the output transistor is switched on (LOW), below app. 1.5 A it is off (HIGH). The conductor is simply pushed through the transformer.Multiple loops reduce the switching point correspondingly, for instance to 0.5 A with four loops. A supply voltage is not required. Application: The STWA1S is used where current flow is to be detected, with the exact value of the current either known from the power consumption of the connected consumer or does not	 matter for the evaluation. For simultaneous evaluation of the current flow in several conductors the STWA1S device can be connected in series (AND circuit, pay attention to the voltage drop) or in parallel (OR circuit, pay attention to the leak current). isolated transistor-output max. DC 40 V/40 mA output can be directly connected to the digital input of a PLC integrated diode for reverse voltage protection 2-wire-connection, 1 m no supply voltage required transformer and electronic unit enapsulated in a climate-proof housing plug-in current transformer (Ø 11 mm) max. overload 100 A continously, 300 A / 10 s 	2
	Switching point at Tu = 25°C Hysteresis Repeat accuracy Temperature dependence Overload cap. continous / 10s	AC 2 A +20/-40% approx. 6% ±5 % 055°C: <0,5%/K (-200°C: <2,5%/K) 100 A / 300 A	
	Output voltage/current max. Voltage drop (ON) Leak current (OFF) Switch-on /switch-off delay nominal frequency/ operating range error rated ambient temperature ran- ge Housing Dimensions (Ø x H) Diameter for conductor Weight	DC 40 V / 40 mA max. 3 V max. 0,6 mA app. 50 / 200 ms 50 Hz/ 3070 Hz ≤ 1%/Hz -20+55 °C Design S 34,5 x 27 mm 11 mm app. 60 g	

Dimension illustrations



Electronic current transformer STWA1S