

SMARTenergy Split Core Transformer

Non-Invasive Folding Current Transformer 20A-800A

The compact, divisible cable conversion current transformers are especially suitable for retrofitting in existing systems. Cable conversion current transformers are particularly used in cases where the current path must not be interrupted. The accuracy of the cable conversion current transformer results in particularly accurate current measurements. The cable conversion current transformers can be loaded at the end of the cable with the specified rated power.



Keyfeatures

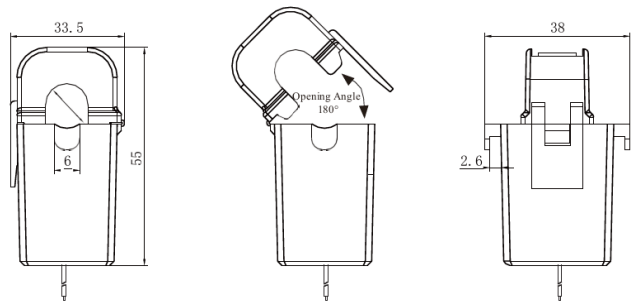
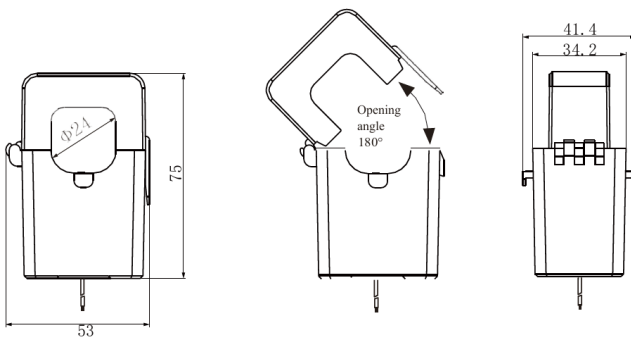
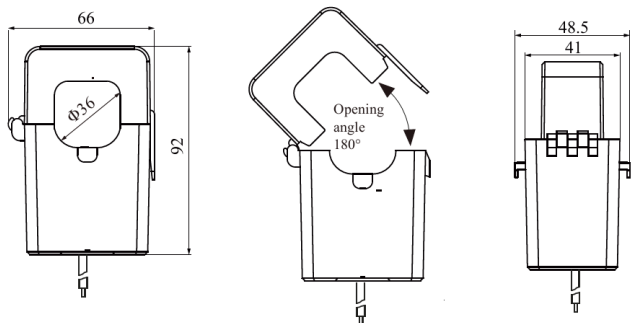
- No interruption of the test lead
- Ideal for use in very small spaces
- Particularly easy and quick installation via RJ10 connector
- For use around insulated conductors up to Ø 36 mm
- Compact and hinged
- Autodetect function of the sensors on the SMARTenergy gate and SMARTenergy sensor
- 1m connection cable

SPECIFICATION



Input Current Transformer	Rated Thermal Continuous Current Icth	100 %
	Rated Thermal Short-Term Current Ith	2 x IN / 100ms
	Rated surge current Idyn	10 x IN (8/20 µs)
	Design frequency	50 ... 60 Hz
	Rated Primary Current	Depending on the type 20A 50A 100A 250A 400A 800A
Output Current Transformer	Secondary Design Current IN	100mA
	Design performance Sr	0.1VA
Accuracy	Accuracy class	1
	Protection	IP20
	Test voltage	AC 4.2 kV; 50 Hz; 1 min 5mA (secondary winding/housing)
Safety and security	Highest voltage for equipment	AC 660 Vrms
	Connection	The current transformer secondary circuit should not be opened under any circumstances when current is flowing in the primary circuit. The output of



		the current transformers represents a power source. As the load increases, the output voltage increases	
		Plug	RJ10
		Trunk	1m 4x 0.35mm2
Connection data	20A Type Opening window 16mm		
	50A/100A/250A/400A Opening window 24mm		
	800A Opening window 36mm		
Ambient conditions	Ambient temperature (operating)	-10 ... +55 °C	
	Ambient temperature (storage)	-20 ... +70 °C	
	Relative humidity	5 ... 85 %	
	Insert height max.	2000m	
Approval			
Warranty	1 year		

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