



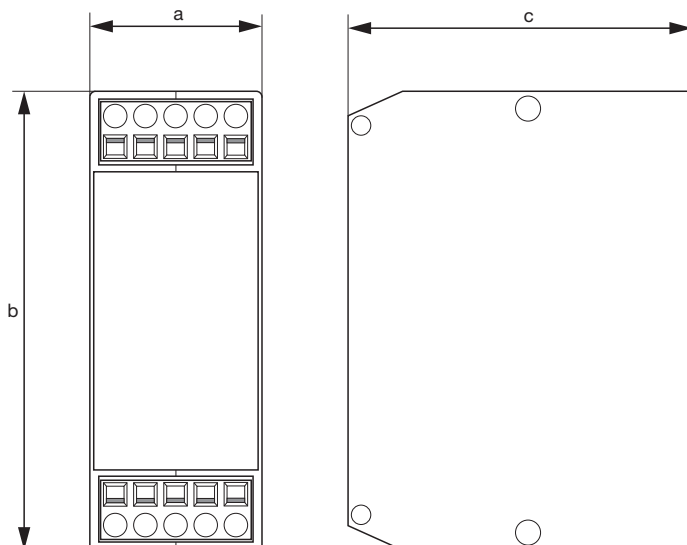
Summation current transformer

STS 20, STS 30, STS 40, STS 50 und STS 60

Data sheet

TECHNICAL DATA & DIMENSIONS

STS 20 and STS 30



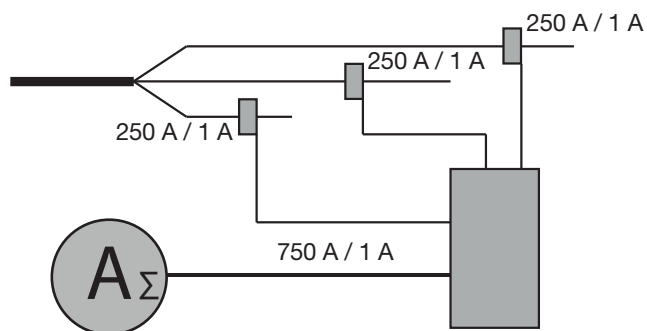
i INFORMATION

The dimensional drawings are not to scale!

Dimensions	
a	30.0 mm (1.18 in)
b	80.0 mm (3.15 in)
c	60.0 mm (2.36 in)

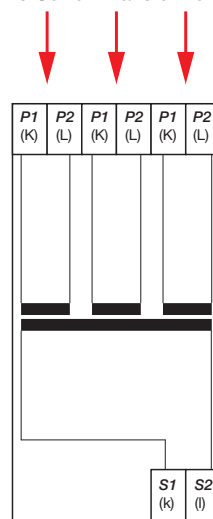
Specification	STS 20	STS 30
Primary current	1+1 A	1+1+1 A
Secondary current	1 A	
Power	0.2 VA	
Rated continuous current I_{cth}	$1.0 \times I_{pr}$	
Rated short-time withstand current I_{th}	$60 \times I_n / 1 \text{ s}$	
Weight	approx. 200 g (0.441 lbs)	
Accuracy class	1	
Protection level	IP20	
Installation location	Indoor use	
Insulation class	E	
Frequency	50 / 60 Hz	
Working temperature	$-5 \text{ °C bis } 55 \text{ °C}$ ($23 \text{ °F bis } 131 \text{ °F}$)	
Relative humidity	5 ... 85 %	
Rated isolation level	0.72/3/-kV	
Standards	IEC 61869-2	
Connection, primary / secondary	$1.5 \text{ mm}^2 / 1.5 \text{ mm}^2$	

CONNECTION EXAMPLE



Connection example with 3 current transformers in combination with a summation current transformer

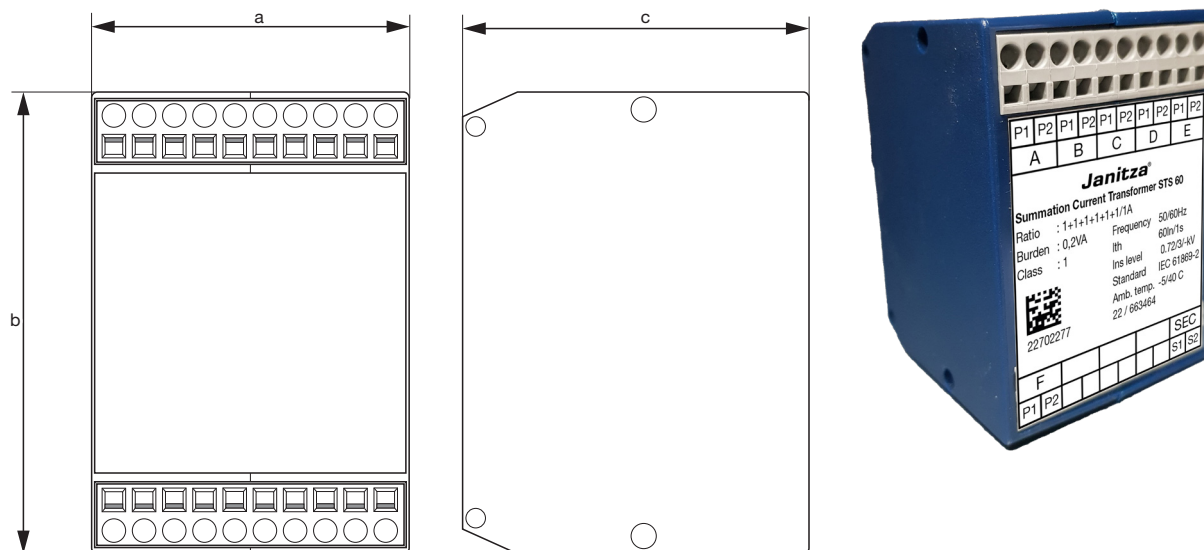
3 Current transformers



Functional drawing of summation current transformer for 3 current transformers

TECHNICAL DATA & DIMENSIONS

STS 40, STS 50 and STS 60



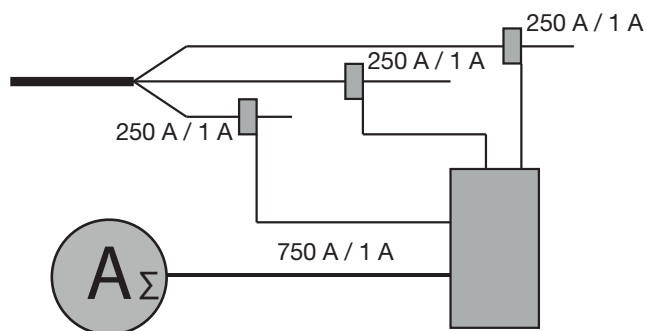
i INFORMATION

The dimensional drawings are not to scale!

Dimensions	
a	55.0 mm (2.17 in)
b	80.0 mm (3.15 in)
c	60.0 mm (2.36 in)

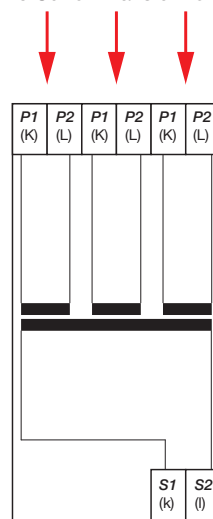
Specification	STS 40	STS 50	STS 60
Primary current	1+1+1+1 A	1+1+1+1+1 A	1+1+1+1+1+1 A
Secondary current	1 A		
Power	0.2 VA		
Rated continuous current I_{cth}	1.0 x I_{pr}		
Rated short-time withstand current I_{th}	60 x I_n / 1 s		
Weight	approx. 400 g (0.882 lbs)		
Accuracy class	1		
Protection level	IP20		
Installation location	Indoor use		
Insulation class	E		
Frequency	50 / 60 Hz		
Working temperature	-5 °C bis 55 °C (23 °F bis 131 °F)		
Relative humidity	5 ... 85 %		
Rated isolation level	0.72/3/-kV		
Standards	IEC 61869-2		
Connection, primary / secondary	1.5 mm ² / 1.5 mm ²		

CONNECTION EXAMPLE



Connection example with 3 current transformers in combination with a summation current transformer

3 Current transformers



Functional drawing of summation current transformer for 3 current transformers

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