



-power in control



DATA SHEET



Split-core current transformer, SCT

- Ultra-compact split core current transformer
- Easily and quickly installed
- Ideal for retrofitting
- 18 or 28 mm cable diameter
- Included cable



DEIF A/S · Frisenborgvej 33 · DK-7800 Skive
Tel.: +45 9614 9614 · Fax: +45 9614 9615
info@deif.com · www.deif.com

Document no.: 4921210142B
SW version:

1. General information

1.1. Application and overview.....3

1.1.1. Application3

1.1.2. Overview.....3

2. Technical information

2.1. Technical data.....4

2.1.1. Technical specifications4

2.1.2. General characteristics5

2.1.3. Dimensions.....6

3. Ordering information

3.1. Order specifications and disclaimer.....8

3.1.1. Order specifications8

3.1.2. Disclaimer.....8

No longer for sale

1. General information

1.1 Application and overview

1.1.1 Application

The compact SCT split-core current sensor from DEIF is especially designed for retrofitting on existing installations. The SCT series is supplied with color coded leads. The accuracy class 3 or 1 for all these CT's is perfect for high accurate current measurements. Correct closing of the current sensor is guaranteed by a distinct sound of a "click". For fixation two UV-resistant tie wraps are supplied that are easily mounted around the primary conductor.

1.1.2 Overview

Variants:

Type	Ratio	Class	Burden	Secondary leads
SCT 200	60/1 A	3	0.2 VA	5 M
SCT 200	100/1 A	3	0.2 VA	5 M
SCT 300	150/5 A	1	0.3 VA	2 M
SCT 300	200/5 A	1	0.3 VA	2 M
SCT 400	250/5 A	1	0.3 VA	3 M
SCT 400	300/5 A	1	0.3 VA	3 M
SCT 400	400/5 A	1	0.3 VA	3 M
SCT 400	500/5 A	1	0.3 VA	3 M

2. Technical information

2.1 Technical data

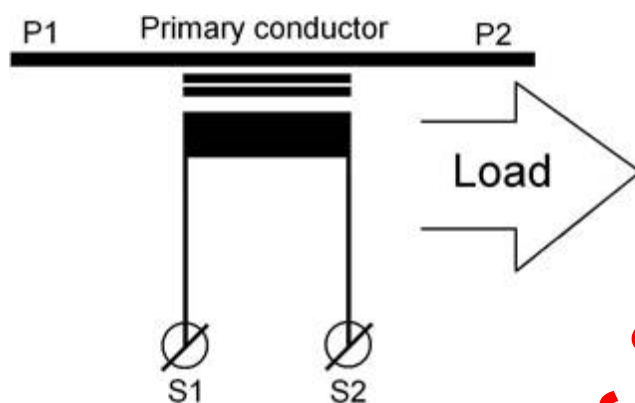
2.1.1 Technical specifications

Safety conditions	
CE standard	2006/95/EC (LVD)
IEC 61010-1	Safety requirements for electrical equipment for measurement, control and laboratory use
IEC 61000-6-3	Electromagnetic compatibility (EMC) - Emission standard for light industry and residential
Environmental conditions	
IEC 60721-3-3	Classification of environmental conditions
Class	3K3
Operating temperature	-10°C - +55°C
Relative humidity	5% - 85%, non condensing
Operating height	0..2000 m over NN
Protection degree	IP20
Pollution degree	2
Measurement category	CAT IV
Only suitable for	Insulated primary conductor SCT 200 and SCT 300: max. Ø18 mm SCT 400: max. Ø28 mm
Application conditions	
IEC 60044-1	Current transformers for use with electrical measuring instruments
Ith	6 x I _n 1 s
Continuous current	100%
Insulation level rated	0.72/3/-kV
System frequency	50/60 Hz
Insulation class	E
Burden	SCT 200: 0.2 VA (@5 m cable 0.5mm ²) SCT 300: 0.3 VA (@2 m cable 1.5mm ²) SCT 400: 0.3 VA (@3 m cable 1.5mm ²)
Secondary leads	SCT 200: L=5 m cable 0,5mm ² flexible SCT 300: L=2 m cable 1,5mm ² flexible SCT 400: L=3 m cable 1,5mm ² flexible
Accuracy	SCT 200: Class 3 SCT 300: Class 1 SCT 400: Class 1 Accuracy conform IEC 60044-1, valid from 5 to 120% I _n
Storage condition	

Temperature	-20°C - +70°C
Relative humidity	5%-85%, non condensing
Weight	SCT 200: 230 g SCT 300: 360 g SCT 400: 370 g
Material	PA 6.6, UL94: V2

2.1.2 General characteristics

Circuit diagram

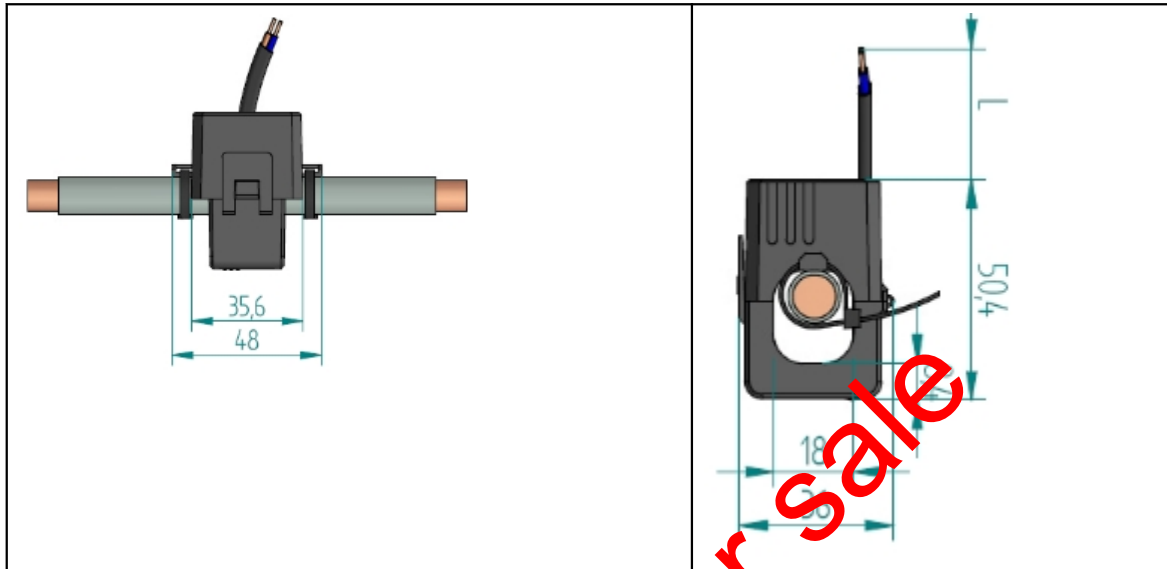


Cable colour code:
S1 = RED or BROWN
S2 = BLACK or BLUE

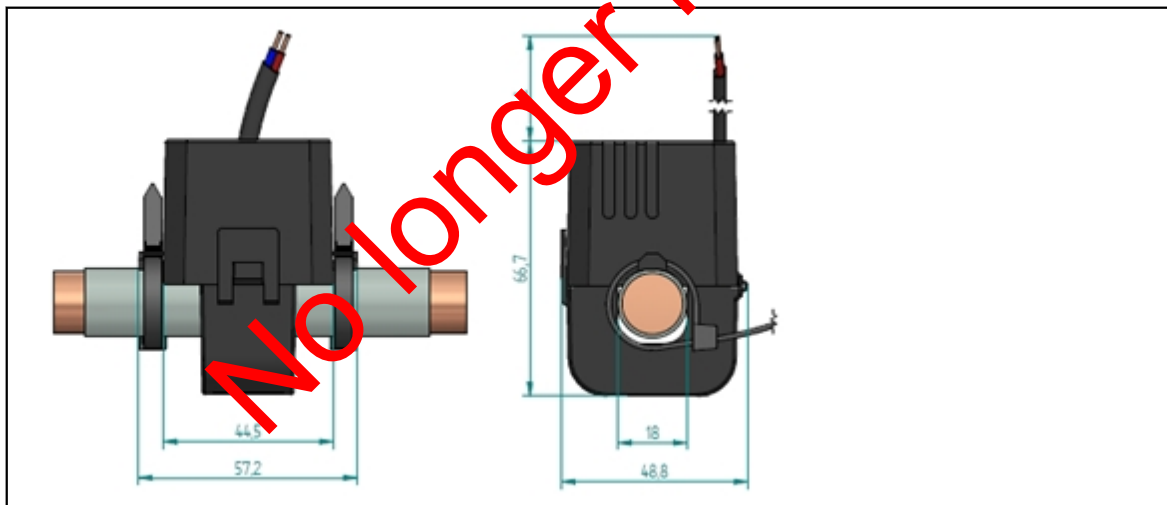
No longer for sale

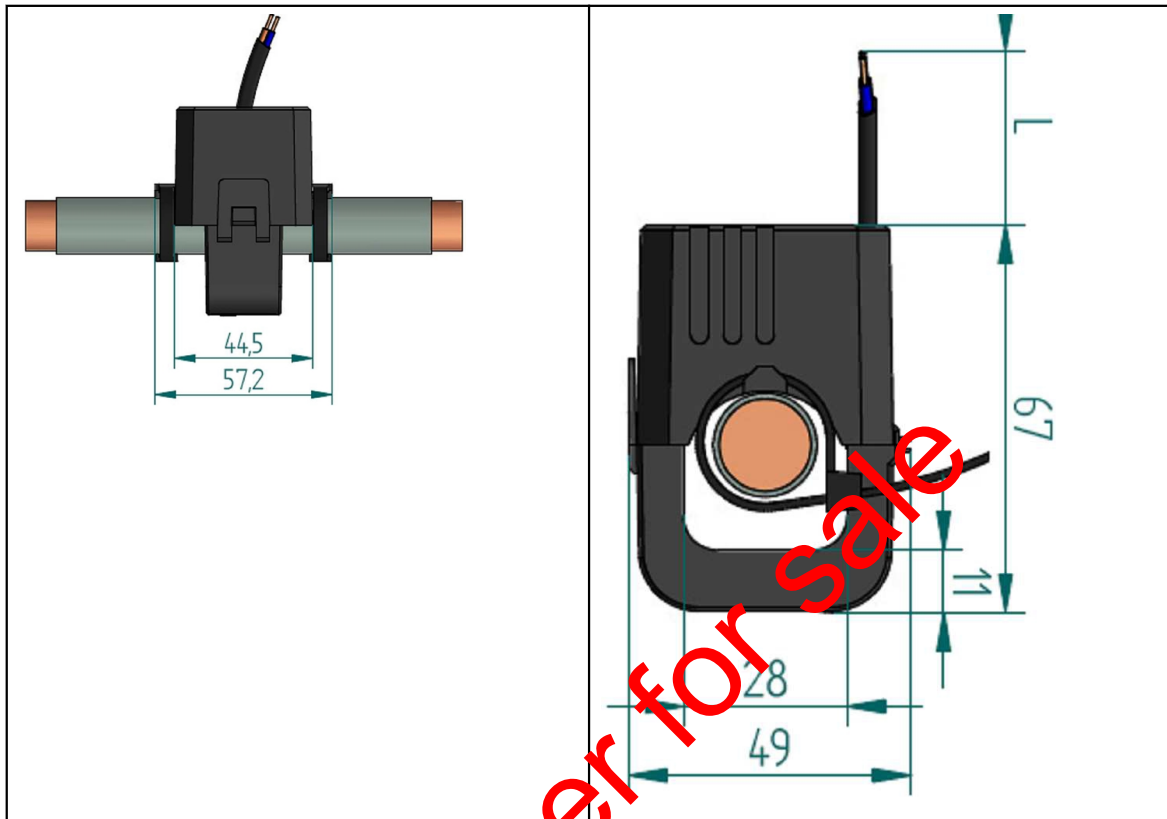
2.1.3 Dimensions

SCT 200



SCT 300



SCT 400

3. Ordering information

3.1 Order specifications and disclaimer

3.1.1 Order specifications

Type	Product description	Order no.	EAN no.
SCT 200	60/1 A 0.2 VA 1pcs	1218020001	5703727110353
SCT 200	100/1 A 0.2 VA 1pcs	1218020002	2703727110360
SCT 300	150/5 A 0.3 VA 1pcs	1218030001	5703727110377
SCT 300	200/5 A 0.3 VA 1pcs	1218030002	5703727110384
SCT 400	250/5 A 0.3 VA 1pcs	1218040001	5703727110391
SCT 400	300/5 A 0.3 VA 1pcs	1218040002	5703727110407
SCT 400	400/5 A 0.3 VA 1pcs	1218040003	5703727110414
SCT 400	500/5 A 0.3 VA 1pcs	1218040004	5703727110421

3.1.2 Disclaimer

DEIF A/S reserves the right to change any of the contents of this document without prior notice.

The English version of this document always contains the most recent and up-to-date information about the product. DEIF does not take responsibility for the accuracy of translations, and translations might not be updated at the same time as the English document. If there is a discrepancy, the English version prevails.