

# SC SERIES SPLIT CORE CURRENT TRANSFORMERS

## TE'S CROMPTON INSTRUMENTS

### FEATURES

- High quality comprehensive measurements
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5
- Foot or busbar mounted

### BENEFITS

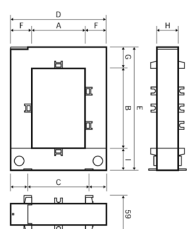
Faster installation

- Cost effective
- Long product life

### APPLICATIONS

- Switchgear
- Distribution systems
- Generator sets
- Control panels

### DIMENSIONS



A range of split core current transformers that offers a cost effective and efficient method by which the current can be measured without the need to break the conductor, thereby reducing installation and commissioning time.

### SPECIFICATIONS

<b>System voltage:</b>	720 V (0.72 kV) maximum
<b>Test voltage:</b>	3 kV for 1 minute
<b>System frequency:</b>	50/60 Hz
<b>Insulation class:</b>	E
<b>Overload withstand:</b>	1.2 times rated current continuously
<b>Short circuit thermal:</b>	100 x rated primary for 1 second
<b>Operating temperature:</b>	-20°C to +70°C
<b>Relative humidity:</b>	0-90% (non condensing)
<b>Compliant with:</b>	IEC/EN60044-1, BS7626
<b>Accuracy:</b>	Class 3, 1 & 0.5
<b>Mounting hardware:</b>	Plug-in metal feet for wall or base mounting or moulded busbar mounting
<b>Rated dynamic current:</b>	= 2.55 x I <sub>ht</sub>
<b>Enclosure:</b>	Flame retardant grade classified UL 94V-0

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

SC series split core current transformers



MODEL	CASE 1	CASE 2	CASE 3	CASE 4	CASE 5
A	20	50	80	80	80
B	30	80	80	120	160
C	51	78	108	108	120
D	89	114	144	144	184
E	111	145	145	185	245
F	34	32	32	32	52
G	47	32	32	32	52
H	40	32	32	32	52
I	32	33	33	33	38
Weight (kg)	0.75	0.90	1.05	1.25	4.30

PRODUCT CODES						
	Part number	Ratio	Burden VA against class index			Aperture (mm)
			0.5	1	3	
CASE 1	SC1-100/5A	100/5A	-	-	1.5	20 x 30
	SC1-150/5A	150/5A	-	-	2	20 x 30
	SC1-200/5A	200/5A	-	1.5	2.5	20 x 30
	SC1-250/5A	250/5A	-	2	4	20 x 30
	SC1-300/5A	300/5A	1.5	4	6	20 x 30
	SC1-400/5A	400/5A	2.5	6	10	20 x 30
CASE 2	SC2-250/5A	250/5A	1	2	4	50 x 80
	SC2-300/5A	300/5A	1.5	3	6	50 x 80
	SC2-400/5A	400/5A	1.5	3	10	50 x 80
	SC2-500/5A	500/5A	2.5	5	15	50 x 80
	SC2-600/5A	600/5A	2.5	5	15	50 x 80
	SC2-750/5A	750/5A	3	6	20	50 x 80
CASE 3	SC2-800/5A	800/5A	3	7.5	20	50 x 80
	SC2-1000/5A	1000/5A	5	10	20	50 x 80
	SC3-250/5A	250/5A	1	2	4	80 x 80
	SC3-300/5A	300/5A	1.5	3	6	80 x 80
	SC3-400/5A	400/5A	1.5	3	10	80 x 80
	SC3-500/5A	500/5A	2.5	5	15	80 x 80
CASE 4	SC3-600/5A	600/5A	2.5	5	15	80 x 80
	SC3-750/5A	750/5A	3	6	20	80 x 80
	SC3-800/5A	800/5A	3	7.5	20	80 x 80
	SC3-1000/5A	1000/5A	5	10	20	80 x 80
	SC4-500/5A	500/5A	-	4	12.5	80 x 120
	SC4-600/5A	600/5A	-	5	15	80 x 120
CASE 5	SC4-750/5A	750/5A	2.5	6	17.5	80 x 120
	SC4-800/5A	800/5A	3	7.5	20	80 x 120
	SC4-1000/5A	1000/5A	5	10	20	80 x 120
	SC4-1200/5A	1200/5A	6	12.5	25	80 x 120
	SC4-1250/5A	1250/5A	7.5	15	30	80 x 120
	SC4-1500/5A	1500/5A	8	17	30	80 x 120
CASE 5	SC4-1600/5A	1600/5A	8	17	30	80 x 120
	SC5-1000/5A	1000/5A	10	15	20	80 x 160
	SC5-1250/5A	1250/5A	10	15	20	80 x 160
	SC5-1500/5A	1500/5A	15	20	25	80 x 160
	SC5-2000/5A	2000/5A	15	20	25	80 x 160
	SC5-2500/5A	2500/5A	15	20	25	80 x 160
CASE 5	SC5-3000/5A	3000/5A	20	25	30	80 x 160
	SC5-4000/5A	4000/5A	20	25	30	80 x 160
	SC5-5000/5A	5000/5A	20	25	30	80 x 160
	SC5-6000/5A	6000/5A	20	25	30	80 x 160

[crompton-instruments.com](http://crompton-instruments.com)

© 2018 TE Connectivity Ltd. family of companies. All Rights Reserved. EPP-3244-12/18

TE Connectivity, the TE connectivity (logo) and Crompton Instruments are trademarks of the TE Connectivity Ltd. family of companies. Other logos, product and Company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

**FOR MORE INFORMATION:  
TE Technical Support Centres**

USA: +1 800 327 6996  
 UK: +44 1376 509 401  
 Australia: +61 1300 656 090  
 Singapore: +65 6590 5151  
 Hong Kong: +852 2790 9609





# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

# [www.scatts.co.uk](http://www.scatts.co.uk)