



Energy Division

Crompton Instruments SC Series Split Core Current Transformers

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

System voltage	720V (0.72kV) maximum
Test voltage	3kV for 1 minute
System frequency	50/60Hz
Insulation class	E
Overload withstand	1.2 times rated current continuously
Short circuit thermal	100 x rated primary for 1 second
Operating temperature	20°C to 70 °C
Relative humidity	0-90% (non condensing)
Compliant with	IEC 60044-1, BS7626
Accuracy	Class 3, 1 & 0.5
Mounting hardware	Plug-in metal feet for wall or base mounting or moulded busbar mounting
Rated dynamic current	= 2.55 x I _{ht}
Enclosure	Flame retardant grade classified UL 94V-O

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

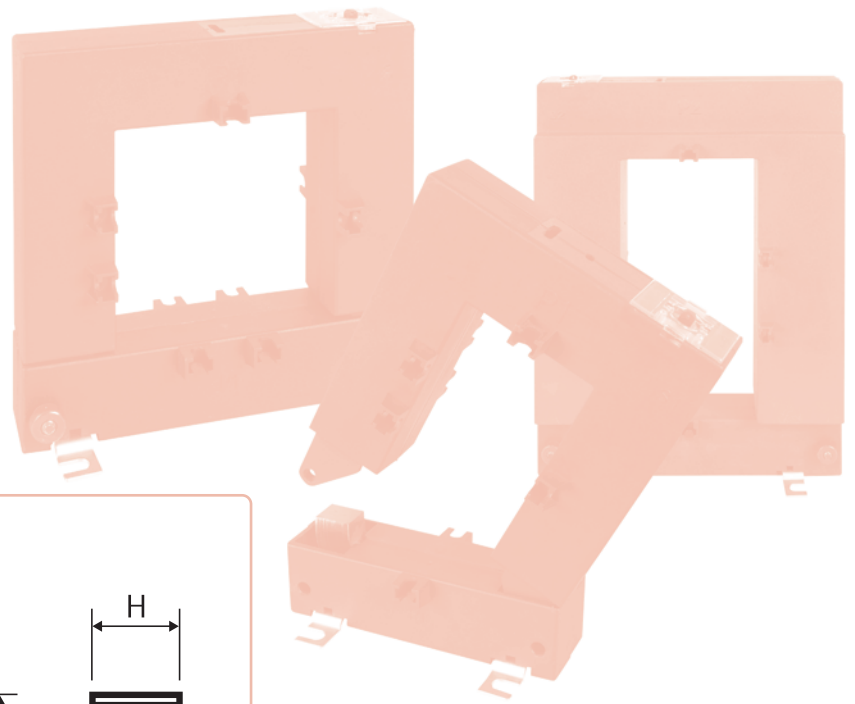
Applications

- Switchgear
- Distribution systems
- Generator Sets
- Control

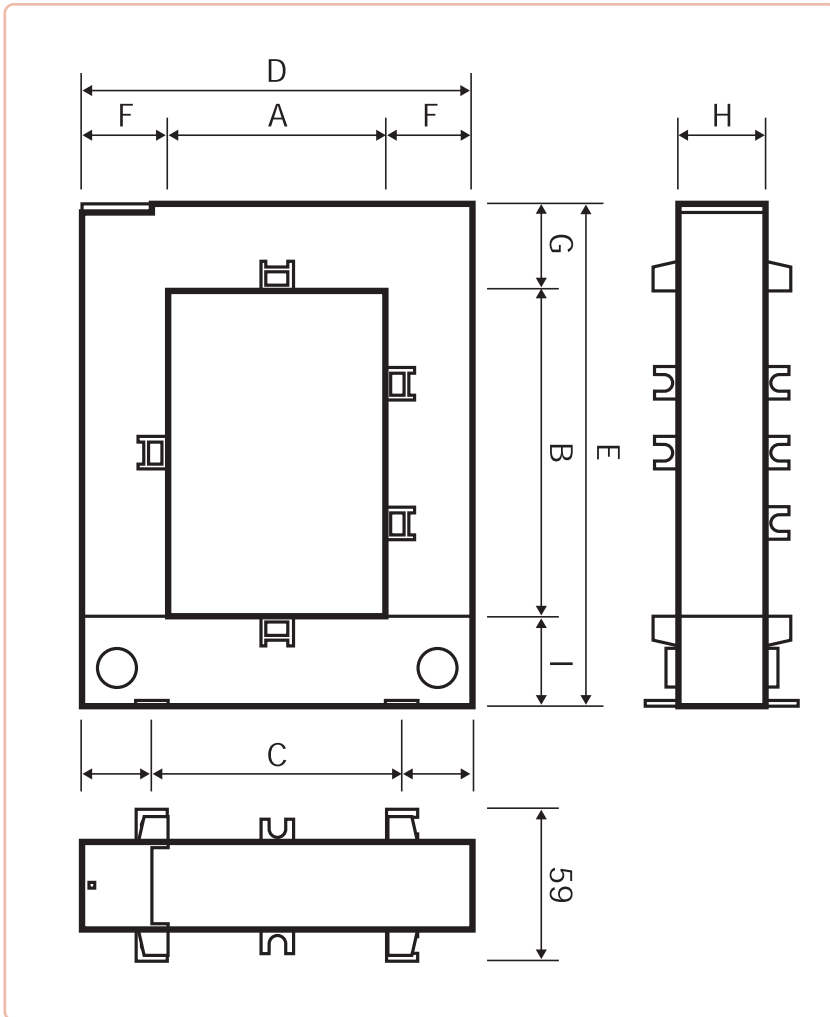
Crompton Instruments SC Series Split Core Current Transformers

Accuracy Class

	Part Number	Ratio	Burden VA against class index			Aperature (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
	SC2-800/5A	800/5A	3	7.5	20	50 x 80
	SC2-1000/5A	1000/5A	5	10	20	50 x 80
Case 3	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
	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
Case 4	SC4-500/5A	500/5A	-	4	12.5	80 x 120
	SC4-600/5A	600/5A	-	5	15	80 x 120
	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	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
	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	



Dimensions



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

While Tyco Electronics and its affiliates referenced herein have made every reasonable effort to ensure the accuracy of the information contained in this catalog, Tyco Electronics cannot assure that this information is error free. For this reason, Tyco Electronics does not make any representation or offer any guarantee that such information is accurate, correct, reliable or current. Tyco Electronics reserves the right to make any adjustments to the information at any time. Tyco Electronics expressly disclaims any implied warranty regarding the information contained herein, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Tyco Electronics' only obligations are those stated in Tyco Electronics' Standard Terms and Conditions of Sale. Tyco Electronics will in no case be liable for any incidental, indirect or consequential damages arising from or in connection with, including, but not limited to, the sale, resale, use or misuse of its products. Users should rely on their own judgement to evaluate the suitability of a product for a certain purpose and test each product for its intended application. TE logo and Tyco Electronics are trademarks. CROMPTON is a trademark of Crompton Parkinson Ltd. and is used by Tyco Electronics under licence. Other trademarks or company names used herein are the property of their respective owners.

Energy Division - economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.