

INSTRUMENT TRANSFORMERS

SCV-D

Indoor current transformer



Product features

- 600 volt, indoor, 10 kV BIL
- 25 - 400 Hertz
- Mechanical rating: 180 x rated current
- Thermal rating: 80 x rated current, one second
- Approximate weight: 48 lbs (22 kg)

Application

The SCV-D deep case current transformer is suitable for use in relaying and metering applications including, but not limited to, various types of medium voltage switchgear. The increased depth allows for higher metering and relaying burdens to be supported.

Construction features

The ring-type core is insulated and toroidally wound with a fully distributed secondary winding. The protective case, made of an impact-resistant polycarbonate, is assembled using self-tapping screws.

Secondary terminals

Secondary terminals are 10-32 brass terminal screws with hardware. Space is available for a maximum of five terminals to accommodate multi-ratio designs.

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Curves

Excitation, overcurrent, and ratio correction factor and phase-angle curves are available upon request.

Testing

IEEE test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

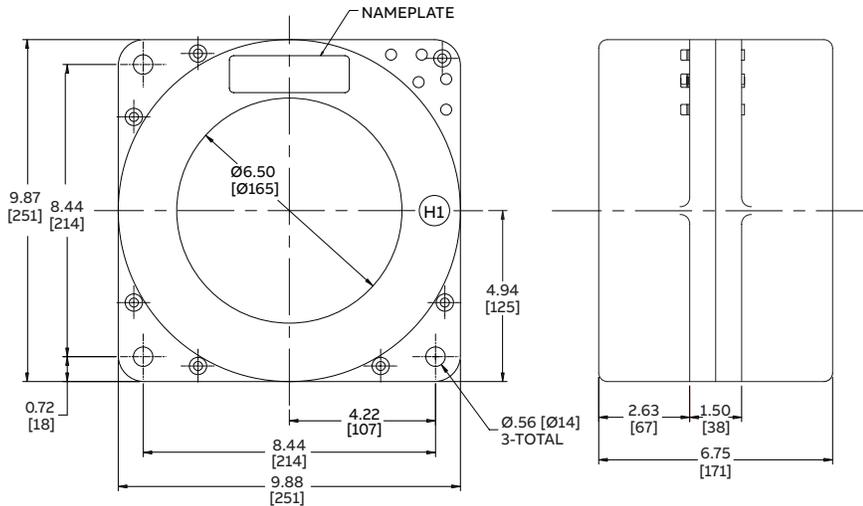
Standards

This unit meets all applicable IEEE and NEMA standards.

UL Recognized Component

The SCV-D is a UL Recognized Component (file number E96461).

Unit dimensions (inches [mm])



SCV-D selection guide

Primary ampere rating	Rating Factor		IEEE metering accuracy @ 60 Hz					IEEE relaying accuracy @ 60 Hz	Style number
	30° C	55° C	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
50	2.0	1.5	1.2	2.4	-	-	-	C10	7525A37G01
75	2.0	1.5	1.2	1.2	2.4	-	-	C20	7525A37G02
100	2.0	1.5	0.6	1.2	2.4	-	-	C20	7525A37G03
150	2.0	1.5	0.6	0.6	1.2	2.4	-	C50	7525A37G04
200	2.0	1.5	0.3	0.3	0.6	1.2	2.4	C50	7525A37G05
250	2.0	1.5	0.3	0.3	0.6	1.2	2.4	C50	7525A37G06
300	2.0	1.5	0.3	0.3	0.3	0.6	1.2	C100	7525A37G07
400	2.0	1.5	0.3	0.3	0.3	0.6	0.6	C100	7525A37G08
500	2.0	1.5	0.3	0.3	0.3	0.3	0.6	C100	7525A37G09
600	2.0	1.5	0.3	0.3	0.3	0.3	0.6	C200	7525A37G10
800	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C200	7525A37G11
1000	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C200	7525A37G12
1200	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A37G13
1500	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A37G14
2000	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A37G15
2500	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A37G16
3000	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A37G17
4000	1.33	1.0	0.3	0.3	0.3	0.3	0.3	C400	7525A37G18
5000	1.0	0.75	0.3	0.3	0.3	0.3	0.3	C400	7525A37G23
6000	1.0	0.75	0.3	0.3	0.3	0.3	0.3	C400	7525A37G19
Multi-ratio, IEEE, 5 terminals									
600	2.0	1.5	0.3	0.3	0.3	0.3	0.6	C200	7525A39G01
1200	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A39G02
2000	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A39G03
3000	2.0	1.5	0.3	0.3	0.3	0.3	0.3	C400	7525A39G04
4000	1.33	1.0	0.3	0.3	0.3	0.3	0.3	C400	7525A39G05
5000	1.0	0.75	0.3	0.3	0.3	0.3	0.3	C400	7525A39G06
6000	1.0	0.75	0.3	0.3	0.3	0.3	0.3	C400	7525A39G11

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information regarding styles and accuracies.