

Type SCV Current Transformer

600 Volt, 10 kV BIL, Indoor

Product Bulletin 1VAP428601-DB



ABB

Product Features

- 600 Volt Indoor
- 10 kV BIL
- 25 through 400 Hertz
- Primary Amperes 75-4000
- Mechanical Rating:
180 x rated current
- Thermal Rating:
80 x rated current, one second
- Continuous Current Rating Factor:
2.0 @ 30°C ambient
1.5 @ 55°C ambient
- UL Recognized Component;
File No. E96461



UL Recognized Component

Application

The SCV current transformer is used as the source of current for relaying and metering.

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.

Curves

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

Test Reports

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 and is a UL Recognized Component.

Selection Guide

Primary Ampere Rating	IEEE Metering Accuracy					IEEE Relaying Accuracy	Style Number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
Type SCV (6.5" window)							
75	2.4	2.4	-	-	-	C10	6353C88H20
100	1.2	2.4	-	-	-	C10	6353C88H01
150	0.6	1.2	2.4	-	-	C20	6353C88H02
200	0.6	0.6	1.2	-	-	C20	6353C88H03
250	0.6	0.6	1.2	2.4	-	C20	6353C88H04
300	0.3	0.6	1.2	1.2	2.4	C20	6353C88H05
400	0.3	0.3	0.6	1.2	1.2	C50	6353C88H06
500	0.3	0.3	0.3	0.6	1.2	C50	6353C88H07
600	0.3	0.3	0.3	0.6	0.6	C100	6353C88H08
800	0.3	0.3	0.3	0.3	0.6	C100	6353C88H09
1000	0.3	0.3	0.3	0.3	0.3	C100	6353C88H10
1200	0.3	0.3	0.3	0.3	0.3	C200	6353C88H11
1500	0.3	0.3	0.3	0.3	0.3	C200	6353C88H12
2000	0.3	0.3	0.3	0.3	0.3	C200	6353C88H13
2500	0.3	0.3	0.3	0.3	0.3	C200	6353C88H14
3000	0.3	0.3	0.3	0.3	0.3	C200	6353C88H15
4000	0.3	0.3	0.3	0.3	0.3	C200	6353C88H16
Multi-Ratio, IEEE, 5 Terminals							
600	0.3	0.3	0.3	0.6	0.6	C100	6350C23H01
1200	0.3	0.3	0.3	0.3	0.3	C200	6350C24H01
2000	0.3	0.3	0.3	0.3	0.3	C200	6350C25H01
3000	0.3	0.3	0.3	0.3	0.3	C200	6350C26H01
4000	0.3	0.3	0.3	0.3	0.3	C200	6350C27H01

Additional styles available upon request. Contact your ABB Sales Representative or call +1-252-827-3212 for more information.



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