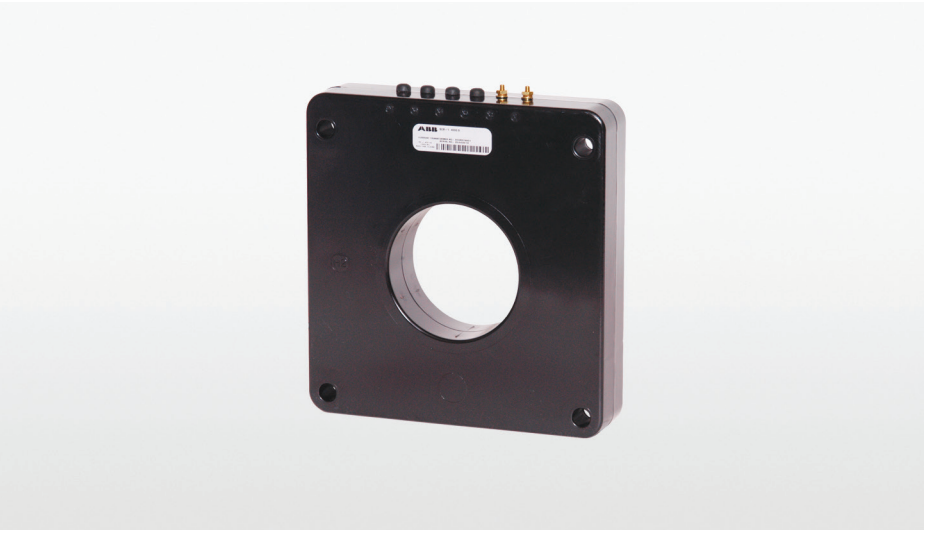
INSTRUMENT TRANSFORMERS

SCB

Indoor current transformer



The SCB current transformer is designed for use in relaying and metering applications including, but not limited to, various types of medium voltage switchgear.

Product features
- 600 volt, indoor, 10 kV BIL
- 25-400 Hertz

Application
The SCB current transformer is designed for use in relaying and metering applications including, but not limited to, various types of medium voltage switchgear, and is available in two internal window diameter sizes. Dual and multi-ratio designs are also available upon request.

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 ultrasonically sealed.

Secondary terminals
Secondary terminals are 10-32 brass terminal studs with hardware.

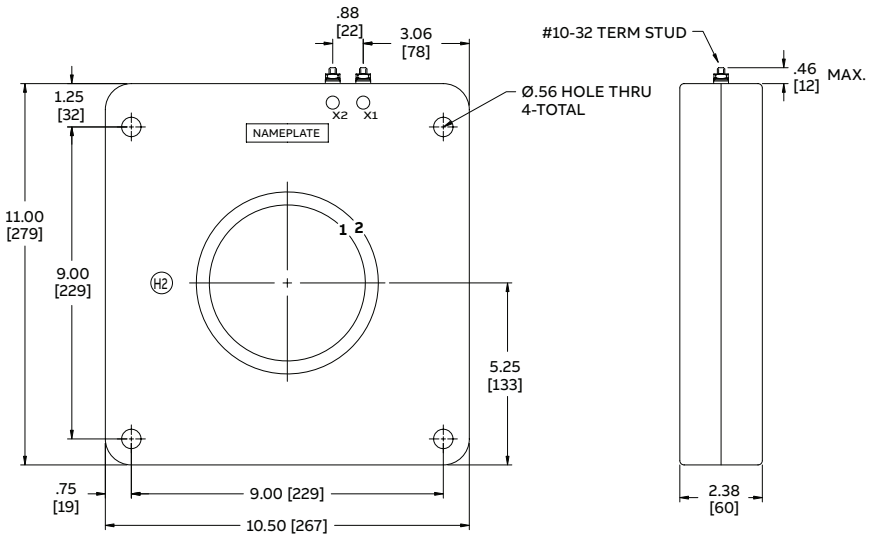
Curves
Saturation, overcurrent, ratio correction factor, and phase-angle curves are available upon request.

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 or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

UL Recognized Component
The SCB is a UL Recognized Component (file number E96461).

Dimensions (inches [mm])



Type	Window size (in)	Window size (mm)	Thickness (in)	Thickness (mm)	Approximate weight (lbs)
SCB-1	4.50	114	2.38	60	29
SCB-2	5.25	133	2.38	60	26

Primary ampere rating	IEEE metering accuracy @ 60 Hz					IEEE relaying accuracy @ 60 Hz	Mechanical rating*	Thermal rating+	Continuous current rating factor		Style number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8				30° C	55° C	
SCB-1 (4.50" window)											
200	0.6	0.6	1.2	2.4	-	C20	180	100	2.0	1.5	7525A20G01
300	0.3	0.3	0.3	1.2	1.2	C50	180	100	2.0	1.5	7525A20G02
400	0.3	0.3	0.3	0.6	1.2	C80	180	100	2.0	1.5	7525A20G03
600	0.3	0.3	0.3	0.3	0.6	C100	180	100	2.0	1.5	7525A20G04
800	0.3	0.3	0.3	0.3	0.3	C100	180	80	1.5	1.0	7525A20G05
1000	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A20G06
1200	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A20G07
1500	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A20G08
2000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G09
2500	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G10
3000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G11
4000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G12
SCB-1 multi-ratio, IEEE, 5 terminals											
600	0.3	0.3	0.3	0.3	0.6	C100	180	80	1.5	1.0	7525A20G13
1200	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A20G14
2000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G15
3000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G16
4000	0.3	0.3	0.3	0.3	0.3	C400	180	60	1.33	1.0	7525A20G17
SCB-2 (5.25" window)											
200	0.6	0.6	-	-	-	C20	180	100	2.0	1.5	7525A24G01
300	0.3	0.3	-	-	-	C50	180	100	2.0	1.5	7525A24G02
400	0.3	0.3	0.3	0.6	0.6	C50	180	100	2.0	1.5	7525A24G03
600	0.3	0.3	0.3	0.3	0.3	C100	180	100	2.0	1.5	7525A24G04
800	0.3	0.3	0.3	0.3	0.3	C100	180	80	2.0	1.0	7525A24G05
1000	0.3	0.3	0.3	0.3	0.3	C100	180	80	1.5	1.0	7525A24G06
1200	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A24G07
1500	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A24G08
2000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.5	1.0	7525A24G09
2500	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.33	1.0	7525A24G10
3000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.33	1.0	7525A24G11
4000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.33	1.0	7525A24G12
SCB-2 multi-ratio, IEEE, 5 terminals											
600	0.3	0.3	0.3	0.3	-	C100	180	80	1.5	1.0	7525A24G13
1200	0.3	0.3	0.3	0.3	0.3	C200	180	80	1.5	1.0	7525A24G14
2000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.33	1.0	7525A24G15
3000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.5	1.0	7525A24G16
4000	0.3	0.3	0.3	0.3	0.3	C200	180	60	1.33	1.0	7525A24G17

* times rated current

+ times rated current, one second

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

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