

INSTRUMENT TRANSFORMERS

SCL and SCL-D

Indoor current transformers



The SCL and SCL-D current transformers are 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 SCL and SCL-D current transformers are designed for use in relaying and metering applications including, but not limited to, various types of medium voltage switchgear.

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 studs with hardware.

Curves

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

Test reports

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

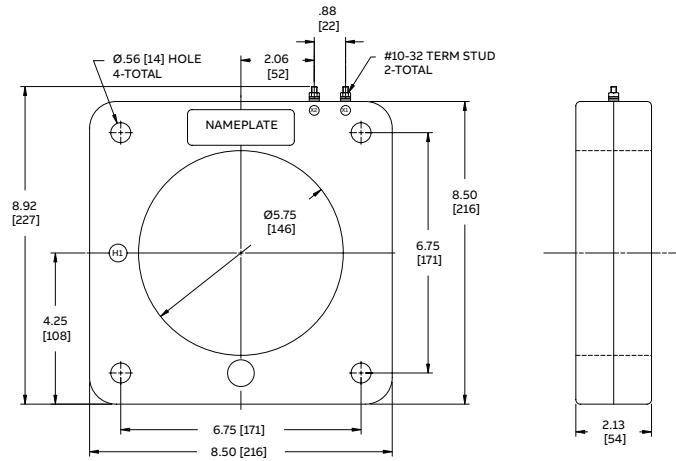
Standards

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

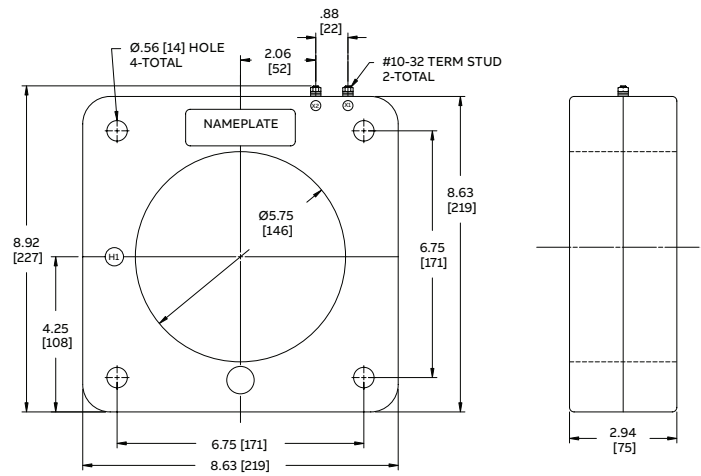
UL Recognized Component

The SCL and SCL-D are UL Recognized Components (file number E96461).

Dimensions (inches [mm])

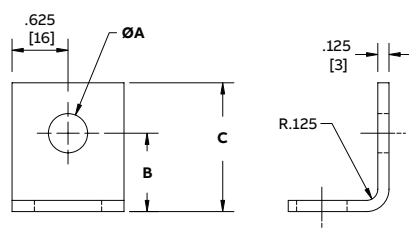
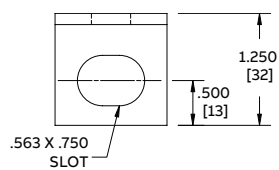


SCL



SCL-D

Type	Window size		Thickness		Approximate weight (lbs)
	(in)	(mm)	(in)	(mm)	
SCL	5.75	146	2.13	54	10
SCL-D	5.75	146	2.94	75	16



A		B		C	
(in)	(mm)	(in)	(mm)	(in)	(mm)
.562	14	1.156	29	1.844	47

Optional four-piece mounting feet

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Selection guide for SCL and SCL-D

Primary ampere rating						IEEE relaying accuracy @ 60 Hz	Mechanical rating*	Thermal rating†	Continuous current rating factor		Style number
	IEEE metering accuracy @ 60 Hz								30° C	55° C	
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8						
SCL (5.75" window)											
200	1.2	1.2	2.4	-	-	C10	180	100	2.0	1.5	7526A81G01
300	0.6	0.6	1.2	2.4	-	C10	180	100	2.0	1.5	7526A81G02
400	0.6	0.6	1.2	2.4	-	C20	180	100	2.0	1.5	7526A81G03
600	0.3	0.3	0.3	0.6	1.2	C20	180	100	2.0	1.5	7526A81G04
800	0.3	0.3	0.3	0.3	0.6	C20	180	100	2.0	1.5	7526A81G05
1000	0.3	0.3	0.3	0.3	0.6	C50	180	80	1.5	1.0	7526A81G06
1200	0.3	0.3	0.3	0.3	0.3	C50	180	80	1.5	1.0	7526A81G07
1500	0.3	0.3	0.3	0.3	0.3	C50	180	60	1.33	1.0	7526A81G08
2000	0.3	0.3	0.3	0.3	0.3	C50	180	60	1.33	1.0	7526A81G09
2500	0.3	0.3	0.3	0.3	0.3	C50	180	60	1.33	1.0	7526A81G10
3000	0.3	0.3	0.3	0.3	0.3	C50	180	60	1.33	1.0	7526A81G11
4000	0.3	0.3	0.3	0.3	0.3	C50	180	60	1.33	1.0	7526A81G12
SCL-D (5.75" window)											
200	0.6	1.2	2.4	-	-	C10	180	100	2.0	1.5	7526A82G01
300	0.6	0.6	1.2	2.4	-	C20	180	100	2.0	1.5	7526A82G02
400	0.3	0.3	0.6	1.2	2.4	C20	180	100	2.0	1.5	7526A82G03
600	0.3	0.3	0.3	0.6	1.2	C50	180	100	2.0	1.5	7526A82G04
800	0.3	0.3	0.3	0.3	0.6	C50	180	100	2.0	1.5	7526A82G05
1000	0.3	0.3	0.3	0.3	0.3	C100	180	80	1.5	1.0	7526A82G06
1200	0.3	0.3	0.3	0.3	0.3	C100	180	80	1.5	1.0	7526A82G07
1500	0.3	0.3	0.3	0.3	0.3	C100	180	60	1.33	1.0	7526A82G08
2000	0.3	0.3	0.3	0.3	0.3	C100	180	60	1.33	1.0	7526A82G09
2500	0.3	0.3	0.3	0.3	0.3	C100	180	60	1.33	1.0	7526A82G10
3000	0.3	0.3	0.3	0.3	0.3	C100	180	60	1.33	1.0	7526A82G11
4000	0.3	0.3	0.3	0.3	0.3	C100	180	60	1.33	1.0	7526A82G12

* 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.

Optional accessories

- Four-piece mounting feet for SCL 9625A64G02
- Four-piece mounting feet for SCL-D 9625A64G03

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