

INSTRUMENT TRANSFORMERS

SCH

Indoor current transformer



The SCH 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 five internal window diameter sizes.

Product features

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

Application

The SCH 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 five internal window diameter sizes. Dual and multi-ratio designs are 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 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.

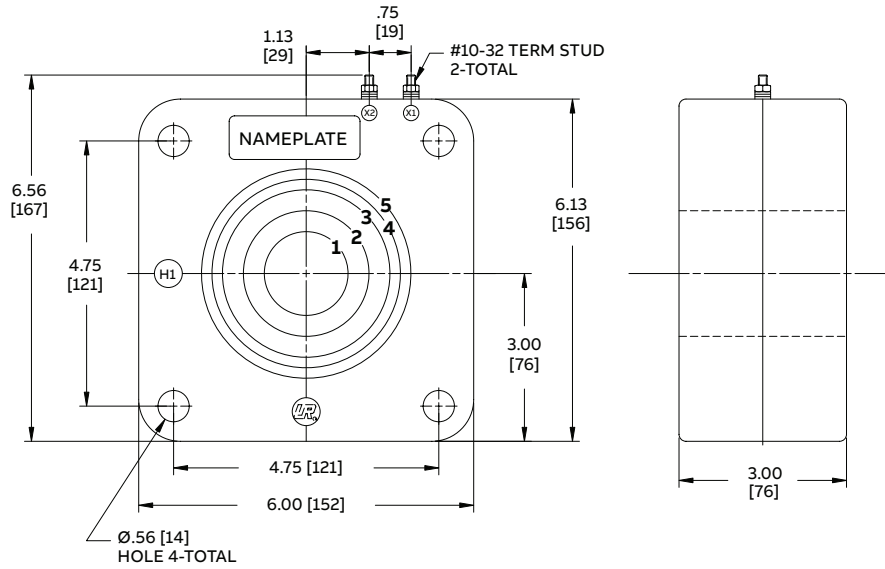
Standards

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

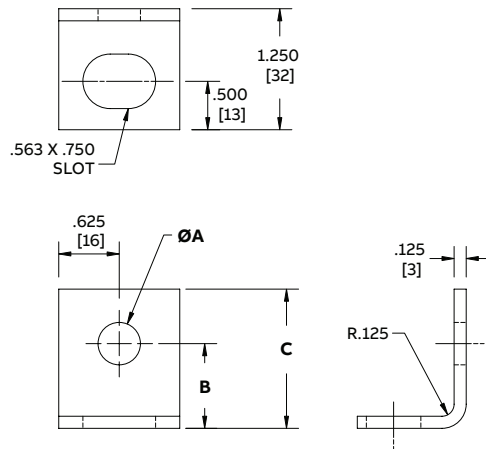
UL Recognized Component

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

Dimensions (inches [mm])



Type	Window size		Thickness		Approximate weight (lbs)
	(in)	(mm)	(in)	(mm)	
SCH-1	1.5	38	3.0	76	15.0
SCH-2	2.25	57	3.0	76	13.0
SCH-3	3.0	76	3.0	76	11.0
SCH-4	3.375	86	3.0	76	9.0
SCH-5	3.75	95	3.0	76	8.5



Optional four-piece mounting feet

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

Primary ampere rating	IEEE metering accuracy @ 60 Hz					IEEE relaying accuracy @ 60 Hz	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	
SCH-1 (1.5" window)										
50	2.4	2.4	4.8	-	-	C10	100	2.0	1.5	7525A31G01
75	1.2	1.2	2.4	4.8	-	C10	100	2.0	1.5	7525A31G02
100	0.6	1.2	2.4	2.4	4.8	C20	100	2.0	1.5	7525A31G03
150	0.3	0.6	1.2	1.2	2.4	C20	100	2.0	1.5	7525A31G04
200	0.3	0.3	0.6	1.2	1.2	C20	100	2.0	1.5	7525A31G05
250	0.3	0.3	0.3	0.6	1.2	C50	80	1.5	1.0	7525A31G06
300	0.3	0.3	0.3	0.3	0.6	C50	80	1.5	1.0	7525A31G07
400	0.3	0.3	0.3	0.3	0.3	C100	80	1.5	1.0	7525A31G08
SCH-2 (2.25" window)										
75	1.2	2.4	4.8	-	-	C10	100	2.0	1.5	7525A32G02
100	0.6	1.2	2.4	4.8	-	C10	100	2.0	1.5	7525A32G03
150	0.3	0.6	1.2	2.4	2.4	C20	100	2.0	1.5	7525A32G04
200	0.3	0.3	0.6	1.2	2.4	C20	100	2.0	1.5	7525A32G05
250	0.3	0.3	0.3	0.6	1.2	C20	100	2.0	1.5	7525A32G06
300	0.3	0.3	0.3	0.6	1.2	C50	100	2.0	1.5	7525A32G07
400	0.3	0.3	0.3	0.3	0.6	C50	80	1.5	1.0	7525A32G08
500	0.3	0.3	0.3	0.3	0.3	C50	80	1.5	1.0	7525A32G09
600	0.3	0.3	0.3	0.3	0.3	C100	80	1.5	1.0	7525A32G10
SCH-3 (3.0" window)										
100	0.6	1.2	2.4	-	-	C10	100	2.0	1.5	7525A33G03
150	0.6	0.6	1.2	2.4	-	C10	100	2.0	1.5	7525A33G04
200	0.3	0.6	0.6	1.2	2.4	C20	100	2.0	1.5	7525A33G05
250	0.3	0.3	0.6	1.2	1.2	C20	100	2.0	1.5	7525A33G06
300	0.3	0.3	0.6	0.6	1.2	C20	100	2.0	1.5	7525A33G07
400	0.3	0.3	0.3	0.6	0.6	C50	100	2.0	1.5	7525A33G08
500	0.3	0.3	0.3	0.3	0.6	C50	80	1.5	1.0	7525A33G09
600	0.3	0.3	0.3	0.3	0.3	C50	80	1.5	1.0	7525A33G10
800	0.3	0.3	0.3	0.3	0.3	C100	80	1.33	1.0	7525A33G12
SCH-4 (3.375" window)										
100	1.2	1.2	2.4	-	-	C5	100	2.0	1.5	7525A34G03
150	0.6	0.6	1.2	2.4	-	C10	100	2.0	1.5	7525A34G04
200	0.6	0.6	1.2	2.4	-	C10	100	2.0	1.5	7525A34G05
250	0.3	0.3	0.6	1.2	2.4	C20	100	2.0	1.5	7525A34G06
300	0.3	0.3	0.6	1.2	2.4	C20	100	2.0	1.5	7525A34G07
400	0.3	0.3	0.3	0.6	0.6	C20	100	2.0	1.5	7525A34G08
500	0.3	0.3	0.3	0.3	0.6	C20	80	1.5	1.0	7525A34G09
600	0.3	0.3	0.3	0.3	0.6	C50	80	1.5	1.0	7525A34G10
800	0.3	0.3	0.3	0.3	0.3	C50	80	1.33	1.0	7525A34G12
SCH-5 (3.75" window)										
150	0.6	1.2	2.4	-	-	C10	100	2.0	1.5	7525A35G04
200	0.6	0.6	1.2	2.4	-	C10	100	2.0	1.5	7525A35G05
250	0.3	0.6	1.2	1.2	2.4	C10	100	2.0	1.5	7525A35G06
300	0.3	0.3	0.6	1.2	2.4	C10	100	2.0	1.5	7525A35G07
400	0.3	0.3	0.3	0.6	1.2	C20	100	2.0	1.5	7525A35G08
500	0.3	0.3	0.3	0.6	1.2	C20	80	1.5	1.0	7525A35G09
600	0.3	0.3	0.3	0.3	0.6	C20	80	1.5	1.0	7525A35G10
800	0.3	0.3	0.3	0.3	0.3	C50	60	1.33	1.0	7525A35G12

+ 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 7528A98G02

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