

INSTRUMENT TRANSFORMERS

AB-5

Indoor current transformer



The AB-5 indoor current transformer is designed for use in metering and relaying applications in 5 kV switchgear.

Product features

- 10 kV indoor, 60 kV BIL
- 60 Hertz
- Approximate weight: 16 lbs (7 kg)
- UL Recognized Component: File No. E148620

Application

The AB-5 indoor current transformer is designed for use in metering and relaying applications in 5 kV switchgear. The design replaces the MC-5 current transformer used in ABB circuit breakers.

Construction features

The ring-type core is fully insulated and toroidally wound with a fully distributed secondary winding. The entire unit is cast in polyurethane for added insulation and protection.

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.

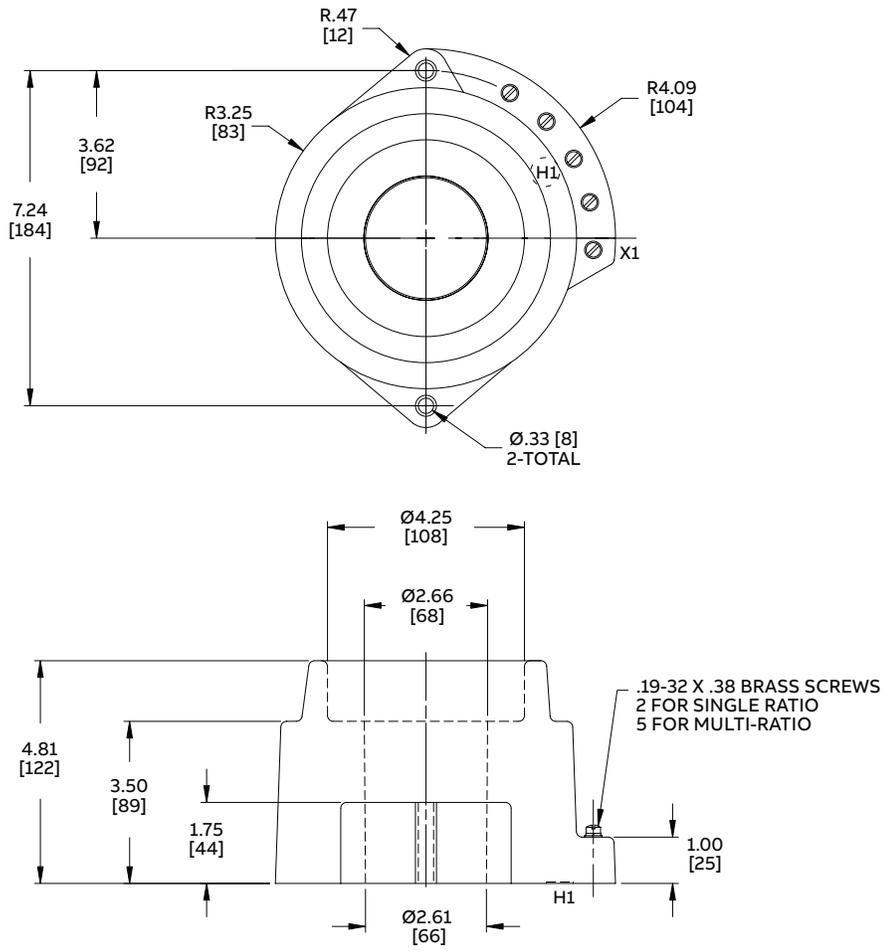
Test reports

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

Standards

This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Dimensions (in. [mm])



Selection guide						
Primary ampere rating	Rating factor @ 30° C	IEEE metering accuracy	IEEE relay accuracy	Thermal rating *	Mechanical rating +	Style number
AB-5, single ratio						
75	1.33	1.2B-0.2	C10	80	180	9628A91G01
100	1.33	1.2B-0.2	C10	80	180	9628A91G02
150	1.33	1.2B-0.5	C20	80	180	9628A91G03
200	1.33	1.2B-0.5	C20	80	180	9628A91G04
250	1.33	1.2B-0.9	C20	80	180	9628A91G05
300	1.33	2.4B-1.8	C50	80	180	9628A91G06
400	1.33	1.2B-1.8	C50	80	180	9628A91G07
500	1.33	0.6B-1.8	C50	80	180	9628A91G08
600	1.33	0.3B-1.8	C100	80	180	9628A91G09
800	1.33	0.3B-1.8	C100	80	180	9628A91G10
1000	1.33	0.3B-1.8	C100	80	180	9628A91G11
1200	1.33	0.3B-1.8	C160	80	180	9628A91G12
1500	1.33	0.3B-1.8	C200	80	180	9628A91G13
2000 #	1.00	0.3B-1.8	C200	80	180	9628A91G14
2500 #	0.80	0.3B-1.8	C200	80	180	9628A91G15
3000 #	0.67	0.3B-1.8	C200	80	180	9628A91G16
4000 #	0.50	0.3B-1.8	C200	80	180	9628A91G17
AB-5, multi ratio, IEEE, 5 terminals ^						
600	1.33	0.6B-1.8	C100	80	180	9629A15G01
1200	1.33	0.3B-1.8	C160	80	180	9629A15G02
2000 #	1.00	0.3B-1.8	C200	80	180	9629A15G03
3000 #	0.67	0.3B-1.8	C200	80	180	9629A15G04
4000 #	0.50	0.3B-1.8	C200	80	180	9629A15G05

* times normal, 1 second

+ times normal

^ secondary current is 5 amperes at rated primary current

maximum continuous current is 2000 amperes

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

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