

KOR-11

Outdoor metering current transformer



The KOR-11 outdoor current transformer is designed for metering and relaying on outdoor 15 kV circuits and is available in single and dual ratio designs.

Product features

- 15 kV outdoor
- 110 kV BIL, 60 Hertz
- Electrical clearances:
 - Strike: 10.8" (274 mm)
 - Creep: 20.8" (528 mm)
- Approximate weight: 67 lbs. (30 kg)

Application

The KOR-11 outdoor current transformer is used for metering and relaying on outdoor 15 kV circuits and is available in single and dual ratio designs. Dual ratio designs are accomplished by tapping the secondary winding.

Construction features

Primary and secondary windings are assembled around a core and attached to a support frame. For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet or humid environments.

Terminals

Primary terminals are electro-tin plated copper. Secondary terminals are clamp-type and accommodate #14 to #1 wire. Terminal screws are slotted-head type.

Junction box

The junction box has a 1" diameter conduit entrance from three directions and is removable for simplified changeout.

Baseplate

The base is constructed of corrosion-resistant aluminum and is secured to the encapsulated base support.

Mounting

The KOR-11 can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

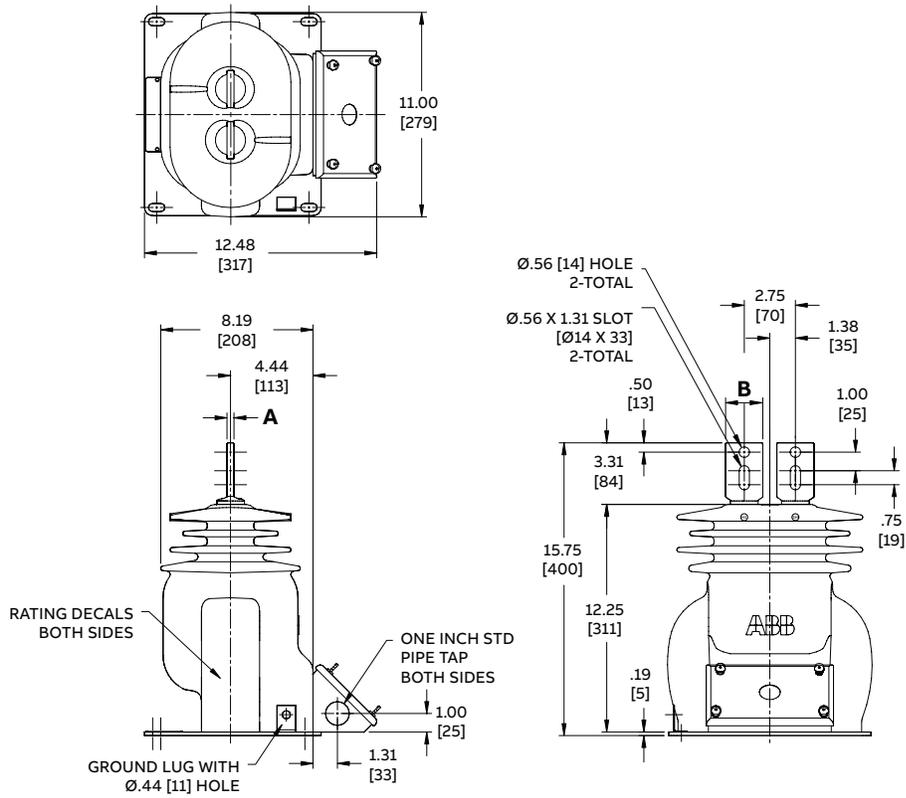
Test reports

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

Standards

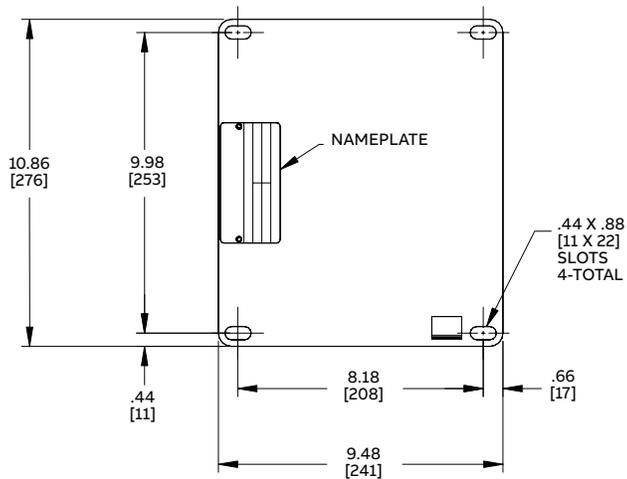
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Dimensions (inches [mm])



Bar dimensions

Primary ampere rating	A		B	
	(in)	(mm)	(in)	(mm)
5 - 150	.25	6	1.5	38
200 - 1200	.375	10	2.0	51



Selection guide						
Primary ampere rating	Rating factor @ 30° C	IEEE metering accuracy	IEEE relay accuracy	Thermal rating*	Mechanical rating*	Style number
Single ratio						
5	1.5	0.3B-1.8	T200	100	270	E-7524A12G01
10	1.5	0.3B-1.8	T200	100	270	E-7524A12G02
15	1.5	0.3B-1.8	T200	100	270	E-7524A12G03
20	1.5	0.3B-1.8	T200	100	270	E-7524A12G04
25	1.5	0.3B-1.8	T200	100	270	E-7524A12G05
30	1.5	0.3B-1.8	T200	100	270	E-7524A12G06
40	1.5	0.3B-1.8	T200	100	270	E-7524A12G07
50	1.5	0.3B-1.8	T200	100	270	E-7524A12G08
75	1.5	0.3B-1.8	T200	100	270	E-7524A12G09
100	1.5	0.3B-1.8	T200	100	270	E-7524A12G10
150	1.5	0.3B-1.8	T200	100	270	E-7524A12G11
200	1.5	0.3B-1.8	T200	100	270	E-7524A12G12
300	1.5	0.3B-1.8	T200	100	270	E-7524A12G13
400	1.5	0.3B-1.8	T200	100	270	E-7524A12G14
600	1.5	0.3B-1.8	T200	100	270	E-7524A12G15
800	1.33	0.3B-1.8	T200	75	200	E-7524A12G16
1200	1.5	0.3B-1.8	T200	50	135	E-7524A12G17
Dual ratio						
5/10	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G01
10/20	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G02
20/40	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G03
25/50	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G04
50/100	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G05
75/150	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G06
100/200	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G07
150/300	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G08
200/400	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G09
300/600	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	100/50	270/135	E-7524A13G10
400/800	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T100/T200	75/37.5	200/100	E-7524A13G11
600/1200	2.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	T90/T200	50/25	135/67.5	E-7524A13G12

Note: 50 Hz designs available

* times normal, 1 second; + times normal

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

Optional accessories

Accessory	Style number
Vertical mounting with mounting brackets and back-up plates:	
Mounting bracket	463C035G02
Back-up plate	28D2876G01
Vertical mounting with mounting brackets and hangers:	
Mounting bracket	463C035G02
Hangers	261A233G01
Vertical mounting with channel brackets for tandem mounting of voltage and current transformers:	
Channel bracket	332B955G02
Horizontal mounting with hangers	
Hangers	261A233G01

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