

KOR-15CE

Extended range outdoor current transformer



The KOR-15CE outdoor current transformer is designed for metering and relaying on outdoor 25 kV circuits and is available in single and dual ratio design.

Product features

- 25 kV outdoor
- 150 kV BIL, 60 Hertz
- Electrical clearances:
Strike: 15.75" (400 mm); Creep: 36.50" (927 mm)
- Approximate weight: 110 lbs. (50 kg)

Application

The KOR-15CE outdoor current transformer is designed for metering and relaying on outdoor 25 kV circuits and is available in single and dual ratio designs. Dual ratio designs are accomplished by tapping the secondary winding.

Construction features

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, humid, polluted or coastal environments.

Terminals

Primary terminals are electro-tin plated copper. Clamp-type secondary terminals accommodate #14 through #1 wire. The X2-X3 terminals form the

standard tap connections when the transformer is tapped.

Junction box

The junction box is provided with 1" conduit hubs on each end and a knock-out for fitting a conduit connection from the bottom. It may be detached for ease of installation and changeout procedures.

Baseplate

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

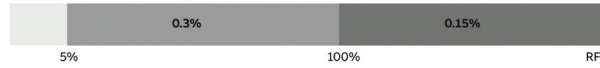
Mounting

The KOR-15CE can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

Extended range

ABB's standard high accuracy design delivers high accuracy and stable performance over a wide load swing, making it a great fit for variable load applications. Accuracy is guaranteed to be +/- 0.3% from 5% of nominal current to nominal current and +/- 0.15% from nominal current through rating factor. ABB's standard high accuracy units deliver savings through improved accuracy metering and reduced inventory.

Class 0.15 enhanced revenue grade



Class 0.3 revenue grade



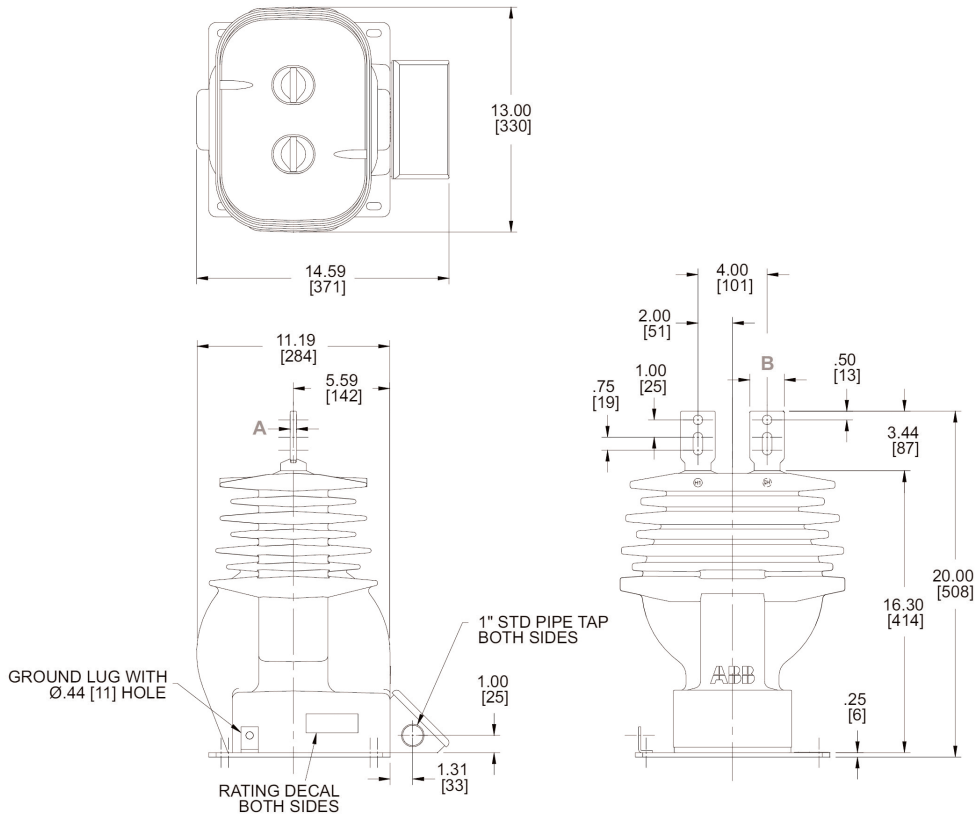
Test reports

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.

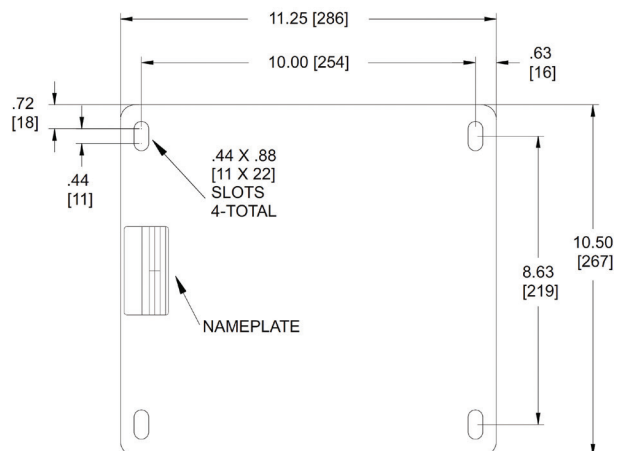
Unit dimensions (inches [mm])



Bar dimensions

Primary ampere rating	A		B	
	(in)	(mm)	(in)	(mm)
1800	0.375	10	2.0	51

Baseplate dimensions (inches [mm])



Selection guide						
Primary ampere rating	Rating factor @ 30° C	IEEE metering accuracy	IEEE relay accuracy	Thermal rating*	Mechanical rating†	Style number
5	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G01
10	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G01
15	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G03
20	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G04
25	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G05
30	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G06
40	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G07
50	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G08
75	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G09
100	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G10
150	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G11
200	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G12
300	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G13
400	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G14
500	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G15
600	1.5	0.15B-0.5/0.3B-1.8	C200	100	270	E-923A544G16
800	1.5	0.15B-0.5/0.3B-1.8	C200	75	200	E-923A544G17
1200	1.5	0.15B-0.5/0.3B-1.8	C200	50	135	E-923A544G18

For 50 Hz styles, contact the factory.

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

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