

KOR-15C

Outdoor current transformer



The KOR-15C outdoor current transformer is designed for metering and relaying on outdoor 25 kV circuits and is available in single, tapped and double secondary designs.

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-15C outdoor current transformer is designed for metering and relaying on outdoor 25 kV circuits and is available in single, tapped, and double secondary 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-resistant properties while maintaining physical strength. Hydrophobic surface properties 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-15C 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 meets or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

Selection guide						
Primary ampere rating	Rating factor @ 30° C	IEEE metering accuracy	IEEE relay accuracy	Thermal rating*	Mechanical rating†	Style number
KOR-15C						
5	3.0	0.3B-0.9	C100	100	270	E-923A185G01
10	3.0	0.3B-0.9	C100	100	270	E-923A185G02
15	3.0	0.3B-0.9	C100	100	270	E-923A185G03
20	3.0	0.3B-0.9	C100	100	270	E-923A185G04
25	3.0	0.3B-0.9	C100	100	270	E-923A185G05
30	3.0	0.3B-0.9	C100	100	270	E-923A185G06
40	3.0	0.3B-0.9	C100	100	270	E-923A185G07
50	3.0	0.3B-0.9	C100	100	270	E-923A185G08
75	3.0	0.3B-0.9	C100	100	270	E-923A185G09
100	3.0	0.3B-0.9	C100	100	270	E-923A185G10
150	3.0	0.3B-0.9	C100	100	270	E-923A185G11
200	3.0	0.3B-0.9	C100	100	270	E-923A185G12
300	3.0	0.3B-0.9	C100	100	270	E-923A185G13
400	3.0	0.3B-0.9	C100	100	270	E-923A185G14
500	2.0	0.3B-0.9	C100	100	270	E-923A185G15
600	2.0	0.3B-0.9	C100	100	270	E-923A185G16
800	1.5	0.3B-0.9	C100	75	200	E-923A185G17
1200	1.0	0.3B-0.9	C100	50	135	E-923A185G18
KOR-15C (dual ratio)						
5/10	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G01
10/20	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G02
20/40	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G03
25/50	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G04
50/100	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G05
75/150	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G06
100/200	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G07
150/300	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G08
200/400	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G09
300/600	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	100/50	270/135	E-923A186G10
400/800	3.0/1.5	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	75/37.5	200/100	E-923A186G11
600/1200	2.0/1.0	0.3B-0.9 Tap 0.3B-1.8 Full	C100/C200	50/25	135/67.5	E-923A186G12

For 50 Hz styles, contact the factory.

* 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.