INSTRUMENT TRANSFORMERS

KOT-60, -75, -11, and -15
Outdoor current transformers

The KOT-60, -75, -11, and -15 outdoor current transformers are designed for high current metering and relaying. All ratios are available with a 3.25" diameter primary opening or primary spade terminals.

Product features
- KOT-60: 5 kV, 60 kV BIL; KOT-75: 8.7 kV, 75 kV BIL
- KOT-11: 15 kV, 110 kV BIL; KOT-15: 25 kV, 150 kV BIL
- Outdoor, 60 Hertz
- Primary amperes: 600 - 4000

Application
The KOT outdoor current transformers are designed for high current metering and relaying. They are available with a 3.25" diameter primary opening or primary spade terminals.

Construction features
KOT units utilize a one-piece cast epoxy bushing to provide insulation strength. The tube-type KOT bushing has a 3.25" diameter brass-lined opening for the primary conductor to pass through. The primary conductor and brass liner can be tied together electrically through a terminal located on the end of the bushing. Bar type bushings have multiple 0.25" thick, tin-plated copper terminal spades brazed to each end of a tubular copper bus. The primary bushing is inserted through the window of the molded core and coil assembly and secured in place with end plates.

Secondary terminals
Large clamp-type terminals are equipped with slotted hex-head tightening screws. A rotatable shorting bar is positioned on a center post located midway between the terminals. The center post also serves as a third terminal on double ratio transformers.

Junction box
A molded, glass-filled polypropylene junction box, with provision for 1" conduit connections on three sides, encloses the secondary terminals.

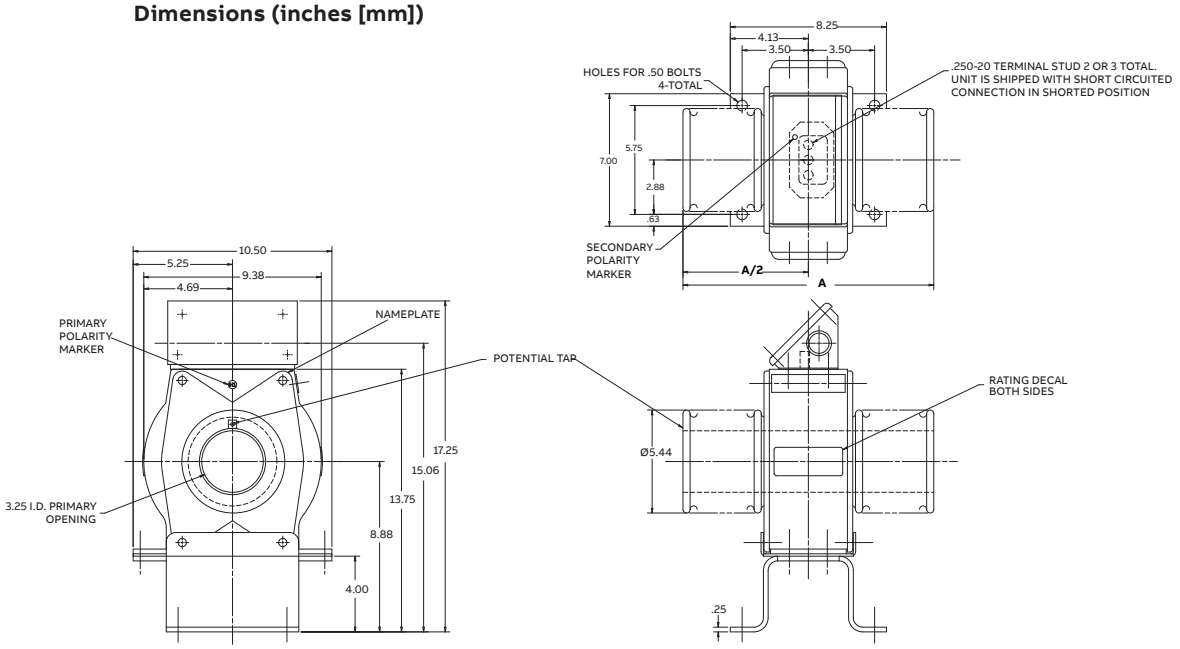
Base
The baseplate is constructed of corrosion-resistant aluminum and secured to the encapsulated base support.

Mounting
All KOT units can be mounted in upright, cantilever, or upside-down positions.

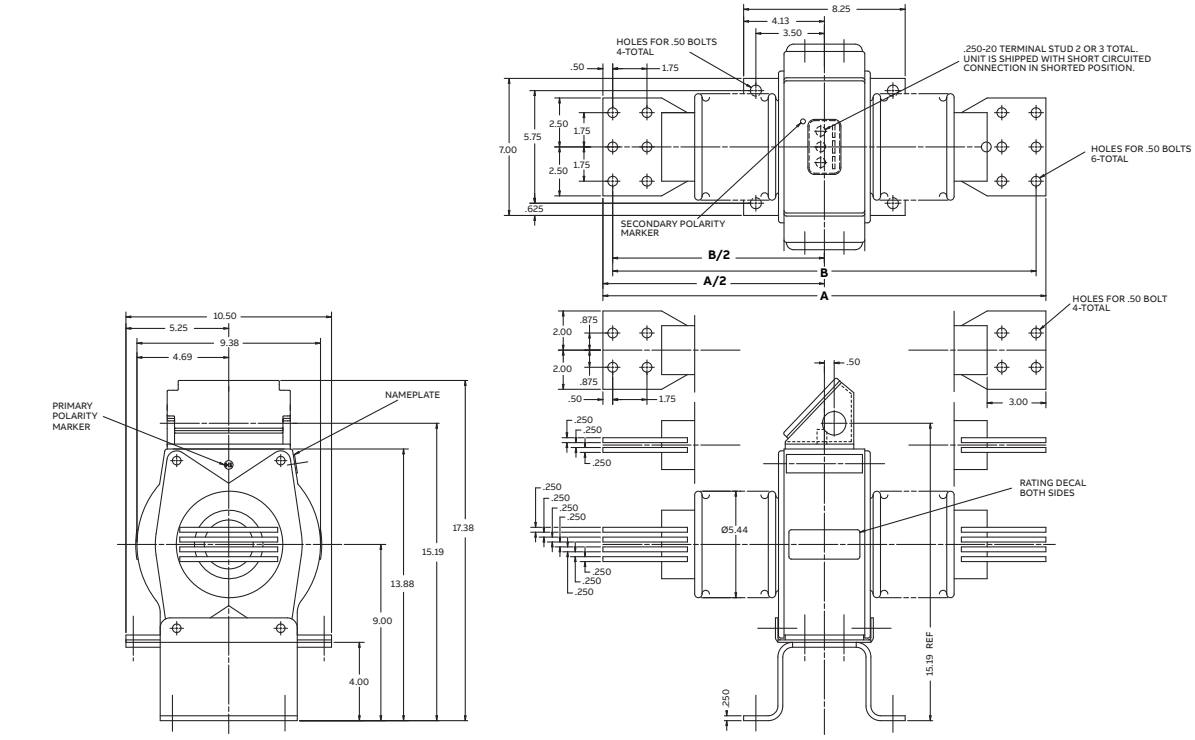
Test reports
Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards
These units meet or exceed all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

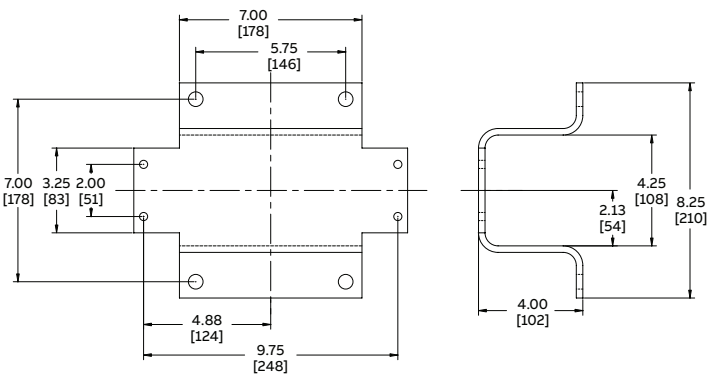
Dimensions (inches [mm])



Tube type



With primary bar



Base: all types and ratings

Dimensions and weights

	With primary bar						Tube-type			
	A		B		Unit Weight		A		Unit Weight	
Style	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	(in)	(mm)	(lbs)	(kg)
KOT-60	19.625	498	18.625	473	62-73	28-33	10.25	260	40	18
KOT-75	22.625	575	21.625	549	67-79	30-36	13.25	337	43	19
KOT-11	27.125	689	26.125	664	75-89	34-40	17.75	451	47	21
KOT-15	36.125	918	35.125	892	89-107	40-49	26.75	679	52	24

KOT tube-type

Primary ampere rating	Rating factor	IEEE metering accuracy	IEEE relaying accuracy	Thermal rating*	Style number			
					KOT-60	KOT-75	KOT-11	KOT-15
800	2.0	0.3B-0.9	C100	80	7524A32G01	7524A33G01	7524A34G01	7524A35G01
1200	2.0	0.3B-1.8	C200	80	7524A32G02	7524A33G02	7524A34G02	7524A35G02
1500	2.0	0.3B-1.8	C200	100	7524A32G03	7524A33G03	7524A34G03	7524A35G03
2000	2.0	0.3B-1.8	C200	100	7524A32G04	7524A33G04	7524A34G04	7524A35G04
3000	1.5	0.3B-1.8	C200	100	7524A32G05	7524A33G05	7524A34G05	7524A35G05
4000	1.5	0.3B-1.8	C200	100	7524A32G06	7524A33G06	7524A34G06	7524A35G06
600/1200	3.0/2.0	0.3B-0.5 0.3B-1.8	C100/C200	80	7524A32G07	7524A33G07	7524A34G07	7524A35G07
1000/2000	3.0/2.0	0.3B-0.9 0.3B-1.8	C100/C200	80	7524A32G08	7524A33G08	7524A34G08	7524A35G08
2000/4000	2.0/1.5	0.3B-1.8 0.3B-1.8	C100/C200	100	7524A32G09	7524A33G09	7524A34G09	7524A35G09

KOT - with primary bar

Primary ampere rating	Rating factor	IEEE metering accuracy	IEEE relaying accuracy	Thermal rating*	No. of bars*	Style number			
						KOT-60	KOT-75	KOT-11	KOT-15
800	2.0	0.3B-0.9	C100	80	B	923A271G01	923A273G01	923A275G01	923A270G01
1200	2.0	0.3B-1.8	C200	80	B	923A271G02	923A273G02	923A275G02	923A270G02
1500	2.0	0.3B-1.8	C200	100	C	923A271G03	923A273G03	923A275G03	923A270G03
2000	1.5	0.3B-1.8	C200	100	C	923A271G04	923A273G04	923A275G04	923A270G04
3000	1.33	0.3B-1.8	C200	100	D	923A271G05	923A273G05	923A275G05	923A270G05
4000	1.0	0.3B-1.8	C200	100	D	923A271G06	923A273G06	923A275G06	923A270G06
600/1200	3.0/2.0	0.3B-0.5 0.3B-1.8	C100/C200	80	B	923A271G07	923A273G07	923A275G07	923A270G07
1000/2000	2.0/1.5	0.3B-0.9 0.3B-1.8	C100/C200	100	C	923A271G08	923A273G08	923A275G08	923A270G08
2000/4000	1.5/1.0	0.3B-1.8 0.3B-1.8	C100/C200	100	D	923A271G09	923A273G09	923A275G09	923A270G09

* times normal, 1 second

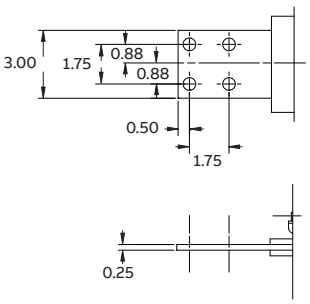
Double current designs available upon request

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

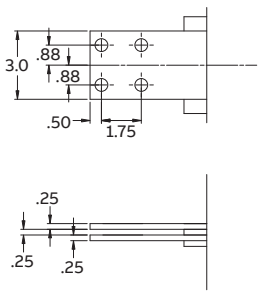
* **Primary Bar Guide (in.)** - (other bar dimensions available)

Maximum current (amps) = primary amps x RF @ 30°C

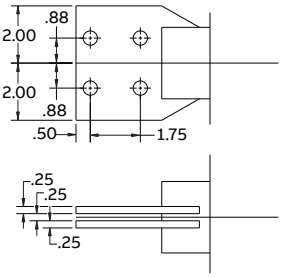
A: 1550 amps max



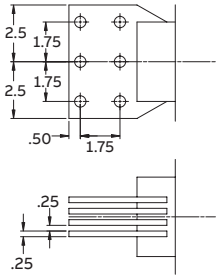
B: 2400 amps max



C: 3000 amps max



D: 4000 amps max



Max current available with rating factor.
Example: 1200 amps with rating factor of 2.0 = 2400 amps

Accessories:
4-hole spade spacer: 9625A38H01; 6-hole spade spacer: 9625A38H02

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