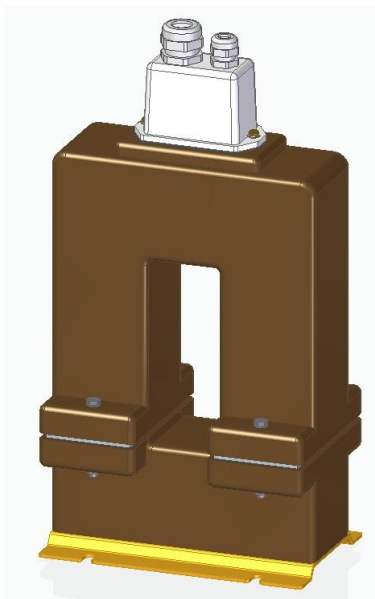


OUTDOOR SPLIT-CORE CURRENT TRANSFORMERS – TCO SERIES

MAIN FEATURES

- . Indoor Use / Outdoor Use IP54
- . Rugged Design
- . Self-extinguishing cast Resin
- . Relay Class up to C600
- . Metering Class down to 0.3
- . Primary current from 50 to 6000A
- . Secondary current 1 or 5A
- . Custom primary & secondary current available upon request
- . No need to dismantle primary to install over existing busbar or cable



CONSTRUCTION

- . Silicon steel core with Hi-grade copper winding
- . Immune to weather conditions with sealing gasket between both parts of split-core
- . Fixing bracket for ease of installing
- . Secondary Cover IP54 for outdoor use
- . Sealable secondary cover for indoor use
- . Multi-ratio

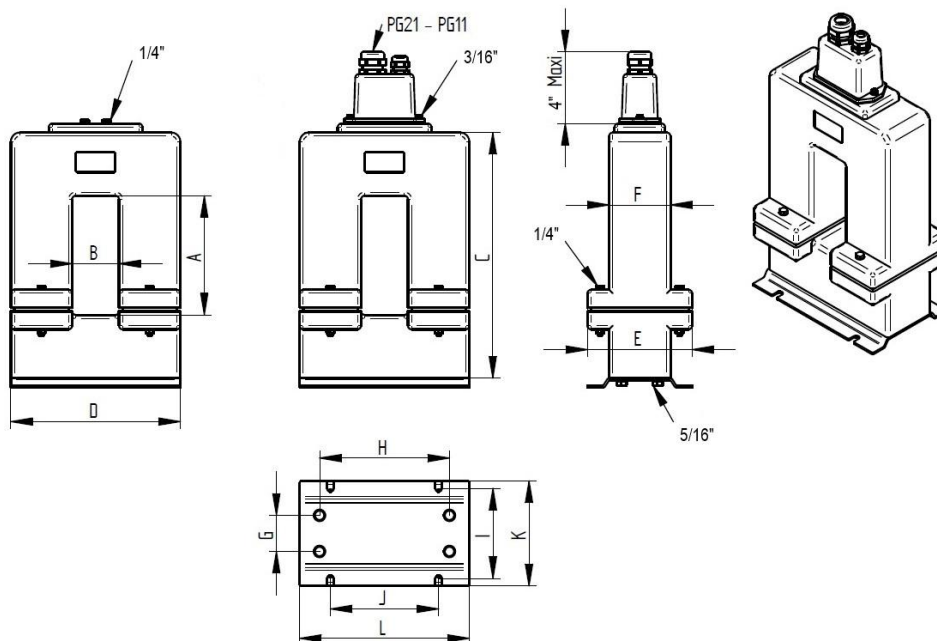
Technical data

Standards
Insulation Level
Frequency
Ambient Temperature Range
Secondary Terminals
Continuous Thermal Rating Factor

IEEE C57-13
0.6/10kV BIL Full Wave
60Hz – other upon request
-25°C to +70°C / -10°F to +160°F
1/4" - Max. Tightening Torque : 1,8 ft.lbf
RF=1.33 @ 55°C / 1.5 @ 30°C

Options

Secondary cover IP54 – outdoor use
Sealable terminals cover IP20 indoor use
Fixing bracket
Multi-ratio



Dimensions

Type	Weight lbs	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in
TCO165	60	6,5"	2,55"	13,38"	9,25"	5,7"	3,34"	1,97"	7,80"	4,92"	5,9"	5,7"	9,25"
TCO280	TBC	11"	4"	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC



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OUTDOOR SPLIT-CORE CURRENT TRANSFORMERS – TCO SERIES*Electrical Specifications*

TCO 165 Busbar Window 6.5x2.5 in	IEEE C57-13 - 60Hz					
	Metering Class					Relay Class
	B0.1	B0.2	B0.5	B0.9	B1.8	
50/5A	-	-	-	-	-	C0,5
100/5A	-	2.4	-	-	-	C2
200/5A	0.6	1.2	2.4	2.4		C4
300/5A	0.6	0.6	1.2	2.4	2.4	C20
400/5A	0.6	0.6	1.2	1.2	2.4	C30
600/5A	0.6	0.6	0.6	0.6	1.2	C50
800/5A	0.3	0.3	0.5	0.5	0.5	C50
1000/5A	0.3	0.3	0.5	0.5	0.5	C100
1200/5A	0.3	0.3	0.3	0.3	0.5	C100
1600/5A	0.3	0.3	0.3	0.3	0.3	C150
2000/5A	0.3	0.3	0.3	0.3	0.3	C200
3000/5A	0.3	0.3	0.3	0.3	0.3	C400
4000/5A	0.3	0.3	0.3	0.3	0.3	C400

TCO 280 Busbar Window 11x4 in	IEEE C57-13 - 60Hz					
	Metering Class					Relay Class
	B0.1	B0.2	B0.5	B0.9	B1.8	
500/5A	0.6	0.6	1.2	1.2	2.4	C20
600/5A	0.6	0.6	0.6	1.2	1.2	C40
800/5A	0.3	0.3	0.6	0.6	0.6	C50
1000/5A	0.3	0.3	0.6	0.6	0.6	C100
1200/5A	0.3	0.3	0.3	0.6	0.6	C100
1600/5A	0.3	0.3	0.3	0.3	0.3	C150
2000/5A	0.3	0.3	0.3	0.3	0.3	C200
2500/5A	0.3	0.3	0.3	0.3	0.3	C300
3000/5A	0.3	0.3	0.3	0.3	0.3	C400
4000/5A	0.3	0.3	0.3	0.3	0.3	C400
5000/5A	0.3	0.3	0.3	0.3	0.3	C600
6000/5A	0.3	0.3	0.3	0.3	0.3	C600

Installation

- Never install CT on live voltage. Always make sure line is OFF.
- Never leave secondary circuit open when energized.
- Before tightening the 4 screws, make sure that the contact surfaces of the magnetic core are clean. It is advisable to clean the surface of magnetic circuit with an oiled cloth.
- Tighten the 4 screws progressively and in diagonal in order to ensure a uniform pressure on magnetic core.
- Maximum tightening torque :

1/4 " tightening screws :	1.5 ft.lbf
1/4 " secondary inserts :	1.8 ft.lbf
5/16 " fixing inserts :	3.5 ft.lbf
3/16 " cover inserts :	1.5 ft.lbf



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