

600 V BUSHING CURRENT TRANSFORMERS



OVER BUSHING CURRENT TRANSFORMER

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The ARTECHE Over Bushing CT series are 600 V rated units designed to fit over a variety of specified bushing sizes. Primary current ratios are available from 200:5 thru 5000:5 at 60 Hz with a Rating Factor of up to 4.0.

This Slip-Over type CT will operate with high accuracy for metering or relay applications.

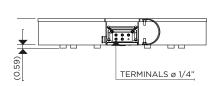
OUTDOOR 60 Hertz Single, Dual and Multi Ratios, Window Type, Metering/Relaying

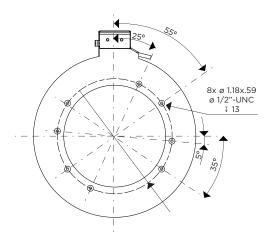
Mechanical characteristics

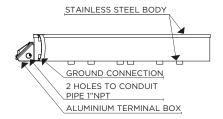
The core and coil assembly is wound and tape wrapped and is available in window sizes from 2.5 to 45 inches. The secondary leads are typically #10 AWG or #12 AWG. The bushing insulation provides the dielectric protection for the CT.

A metal housing covers the whole Current Transformer.

The core of the CT is constructed from high permeability grain oriented silicon steel laminations which provide low core losses. The windings are constructed with copper wire and copper plate double isolation. Concentric distribution of the CT coils prevents magnetic flux leakage, achieving greater accuracy and higher capacity to withstand mechanical stresses under adverse operating conditions.









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Accuracy performance

The ARTECHE Bushing CT provides 0.3 metering class accuracy with burdens from B0.1 to B1.8 and up to class C800 for relay applications. The transformer is accurate through its Rating Factor, and can be used continuously to this level.

Mounting

The ARTECHE Bushing CT is designed to be externally mounted around the bushings of power transformers, circuit breakers, underground potheads or in switchgear.

Testing

The ARTECHE Bushing CT is individually tested per the IEEE C57.13 standard, including dielectric tests, accuracy and polarity.

Options

Through careful calculation, steel selection and testing, existing current transformer characteristics can be matched with the ARTECHE Bushing CT. Existing characteristic curve would be required. Contact factory for other needs.

How to order	
When ordering an ARTECHE Over Bushing CT. include the following information:	
1. Minimum inside diameter (ID)	in [mm]
2. Maximum outside diameter (OD)	in [mm]
3. Maximum allowable height (HT)	in [mm]
4. Current ratio and taps, if any	(:5A or :1A SR, DR, MR)
5. Accuracy and burden requirements, for example. Metering - Relaying -	(0.3 B0.1 thru B1.8) (C-100, C-200, C-400, or C-800 or other)
If IEC ratings, list class and burden	(e.g., class 0.2-20 VA, 5P20-40 VA)
6. Continuous Rating Factor	(standard is RF=2.0)
7. Frequency	(standard is 60 Hz)
8. Lead length & type	size(standard is #10 AWG TW)
NOTE - Due to the many variations of mounting. Arteche does Units are custom manufactured to customer specifications. Co	
Notes:	



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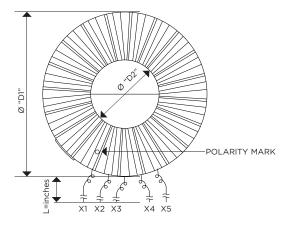
INDOOR 60 Hertz Single, Dual and Multi Ratios, Window Type, Metering/Relaying ARTECHE Bushing CT series are designed to fit over a variety of specified bushing sizes. Primary current ratios are available from 200:5 thru 5000:5 at 60 Hz with a Rating Factor up to 4.0. This tape-wound CT will operate for metering or relaying applications.

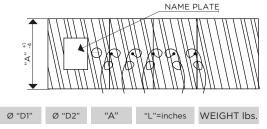
Mechanical characteristics

The core and coil assembly is wound and tape wrapped and is available in window sizes from 2.5 to 45 inches.

The secondary leads are typically #10 AWG or #12 AWG. The bushing insulation provides the dielectric protection for the CT. Optional TEFZEL insulation for the CT is also available.

The core of the CT is constructed from high permeability grain oriented silicon steel laminations which provide low core losses. The windings are constructed with copper wire and copper plate double insulated. All secondary windings are fully distributed around the core, which provides low leakage reactance on each ratio, achieving greater accuracy and higher capacity to withstand mechanical stresses under adverse operating conditions.

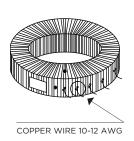


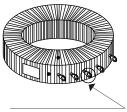


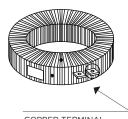
Specs and dimensions available upon request.

Drawing number: 4285816









FLAT CONNECTION 1/4"

COPPER TERMINAL



BUSHING CURRENT TRANSFORMER

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Accuracy performance

The ARTECHE Bushing CT provides 0.3 metering class accuracy with burdens from B0.1 to B1.8 and class C-800 for relaying applications. The transformer is accurate through its Rating Factor for continuous operation.

Testing

The Arteche Bushing CT is individually tested and certified to IEEE C57.13 or CSA/IEC 61869.

Mounting

The ARTECHE Bushing CT is designed to be internally mounted around the bushings of power transformers, circuit breakers and switchgear.

Features and quality

- Customized solutions can be developed to satisfy specifical customer needs.
- > Consistent accuracy during the transformer's entire life cycle, providing maximum reliability.
- > ISO 9001:2008 quality system certificate.

How to order		
When ordering an ARTECHE Bushing the following information:	CT. include	
1. Minimum inside diameter (D2)		in
2. Maximum outside diameter (D1)		in
3. Maximum allowable height (A)		in
4. Current ratio and taps, if any		(:5A or :1A Single Ratio, Double Ratio or Multi Ratio)
5. Accuracy and burden requirements,	for example. Metering - Relaying -	(0.3 B0.1 thru B1.8 or other) (C-100, C-200, C-400, or C-800 or other)
6. Continuous Rating Factor		(standard is RF=2.0)
7. Frequency		(standard is 60 Hz)
8. Lead length & type		size(standard is #10 AWG)
9. Used in or above oil		(Yes/No). or in dry surroundings (Yes/No)
NOTE – Due to the many variations of mounting. Arteche does not supply mounting hardware. Please. don't hesitate to contact us to discuss other options.		
	Notes:	