

Issue Date: 7/25/2011

Page: 1 of 2

File: PSS-K650T1

15/25kV	600A Deadbreak Bushing	K650T1, K675T1
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Features:

- 25kV, 600 Amp Bushing
- Conductive shield made of molded conductive EPDM makes positive ground contact with EPDM flange of bushing insert.
- Stainless steel flange resists corrosion and can be externally clamped or welded to apparatus.
- Epoxy structure with exceptionally high physical, electrical, and chemical resistance properties.
- Interface meets ANSI/IEEE 386 dimensional criteria for proper fit of mating parts.

K650T1, K675T1

Deadbreak Bushings (For Air insulation only)

Applications:

Elastimold K650T1/K675T1& K650T1-SP series bushings are designed for, and will universally accept Elastimold 600A Elbow or bushing extender interfaces. These are designed to be directly mounted in electrical apparatus on 600-Amp systems, through 25kV.

Typical applications would be in:

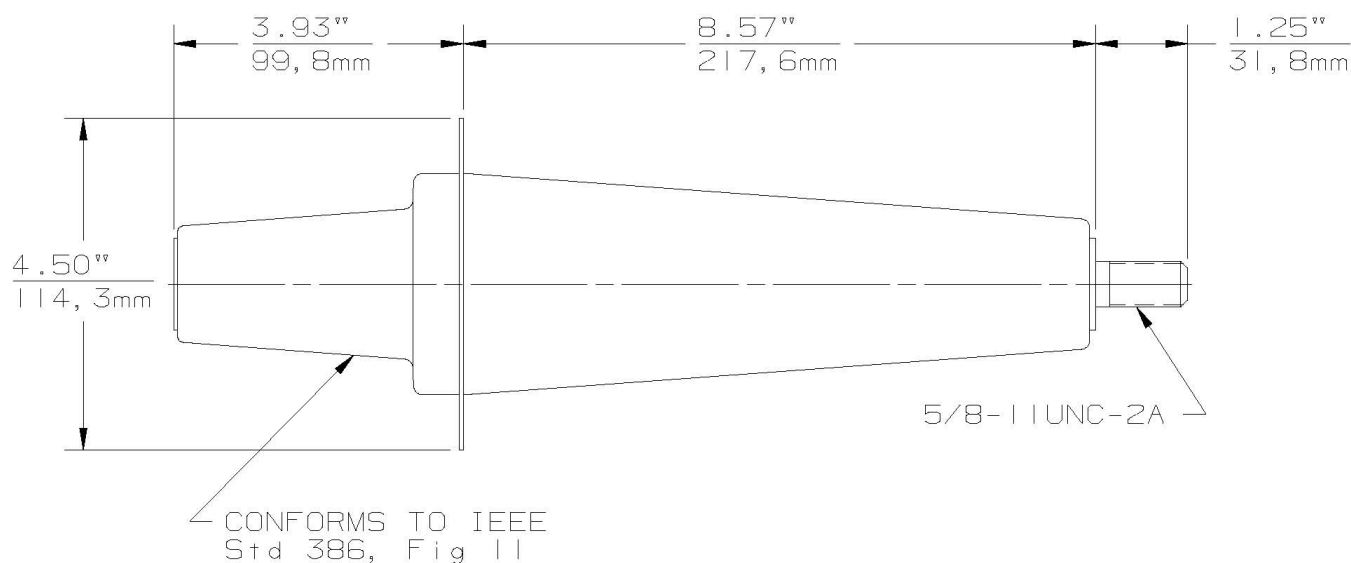
- Pad-mounted transformers
- Vault-type transformers
- Submersible transformers
- Switchgear

These bushings are available in short shank lengths at 8.563" for either cover or side-mount installations. They are molded of epoxy and have a stainless steel flange for welding or externally clamping to the apparatus. A conductive rubber shield at the mating surface with connecting devices provides a fully-shielded, cable-to-apparatus connection. Reference Applicable Elastimold welding guide. The bushing well is also available in removable stud well design "-R". The K675T1 model uses an all copper threaded connection to the apparatus.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision
 25kV Voltage Class
 125kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
 40kV AC – One minute withstand
 78kV DC – 15 minutes withstand
 19kV AC – Corona Extinction @ 3pC sensitivity
 200 Amp – Continuous
 8 Hour Overload – 300 Amps, RMS
 12 Cycle Momentary – 15000 Amps, RMS, Asym
 3 Second Momentary – 3500 Amps, RMS, Sym

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Ordering Instructions

To order a bushing for "Air" application only through 25kV, specify whether an aluminum or all copper connection is desired:

STYLE NUMBER	SHANK LENGTH
K650T1	8.563"
K675T1	8.563"
K650T1-SP	8.563"

Example:

The ordering number for a bushing for in-air application with a shank length of 8.563" and aluminum stud is K650T1.

NOTE. For 900 A application, the cat # will be: K675T1. To apply this product, the arrangement should be all copper only (cable, lug, bushing, etc.)

The bushing as: K650T1-SP, SP means with stud permanent.

Each kit contains the following:

1	600A or 900A Long Shank Deadbreak Bushing	K650T1 or K675T1
1	Instruction Sheet	IS-0061