

35kV 600A/900A Apparatus Bushing



APPLICATION

The Chardon 35kV 600A/900A Apparatus Bushing meets all requirements of IEEE Standard 386-2016 (separable insulated connector system). It is designed for the termination of primary winding leads at the face plate of oil-filled (or approved equivalents) single phase and three phase transformers and switchgear rated at 21.1kV/35kV. The bushing is externally

mounted and clamped in place with stainless steel 4 hole mounting clamps. It fits in a 2.875 inch (73.0mm) hole on the apparatus tank wall. All 600 A/900A separable connectors manufactured according to IEEE Standard 386-2016 standard will operate with this bushing.

INSTALLATION

The Chardon bushing is installed on the tank wall of the SF6 gas filled (or approved equivalents) transformer or switchgear. The rubber gasket is placed in the groove on the rear side of the bushing well (facing

the transformer or switchgear). The steel clamp is then placed over the bushing, and through the threaded studs mounted on the tank wall. The clamp is then bolted in place.

PRODUCTION TESTS

- / AC 60Hz 1 Minute Withstand – 50kV
- / Partial Discharge – 32kV <3 pC

Internal CHARDON Quality assurance requirements:

- / Physical inspection
- / Periodic Fluoroscopic (X-ray) Inspection

VOLTAGE RATINGS

35-AB600/900	
Standard Voltage Class	35kV
Maximum Rating Phase-to-ground	21.1kV
AC 60Hz 1 Minute Withstand	50kV
BIL and Full Wave Cest	200kV
Partial Discharge	32kV <3 pC

CURRENT RATINGS

Description	Test Parameters
35-AB600	
Continuous	600 amps rms
Short Time	• 25,000 amps rms symmetrical for 0.17 s • 10,000 amps rms symmetrical for 3.0 s
35-AB900	
Continuous	900 amps rms
Short Time	• 40,000 amps rms symmetrical for 0.17 s • 10,000 amps rms symmetrical for 3.0 s

ORDERING INFORMATION

35kV 600A Apparatus Bushing w/o Gasket and Clamp	35-AB600
35kV 600A Apparatus Bushing w/ Gasket and 4 Hole clamp	35-AB600 4SS
35kV 900A Apparatus Bushing w/o Gasket and Clamp	35-AB900
35kV 900A Apparatus Bushing w/ Gasket and 4 Hole clamp	35-AB900 4SS

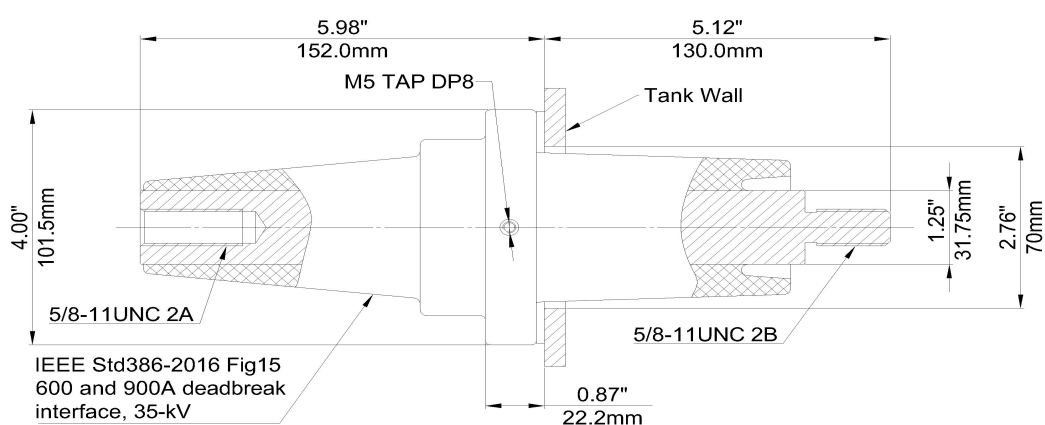


Figure 1. 35kV 600A/900A Apparatus Bushing

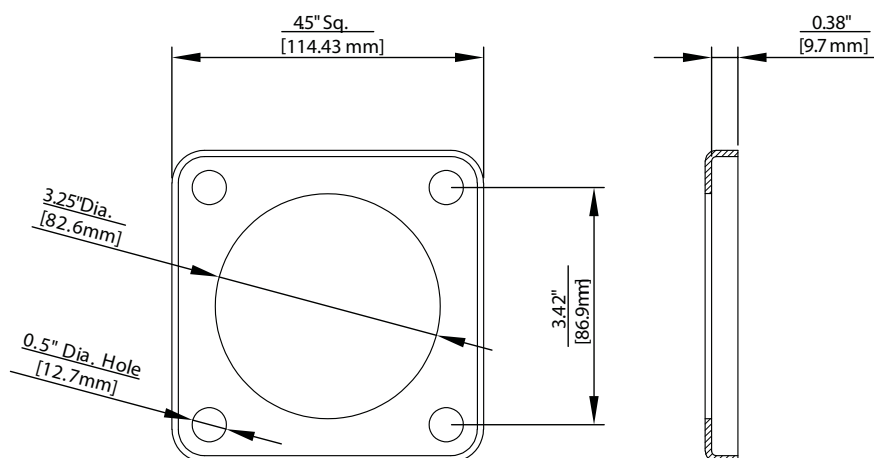


Figure 2. 4 Hole Clamp



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