

SDC™ Composite Bushing - 25KV

By Electro Composites
Catalog # 150-075-G-893-00

SDC™ 25kV-7500A GSU Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 19.8" Min.Oil Immersion Level/CT Pocket, 21.0" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

GSU

General

Bottom Terminal Type	8X 1/2-13 Holes On 4.75 Bc
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	8
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	6.88 Dia Smooth
Type	Condenser Bushings

Dimensions

Above Flange Length	21 in
Below Flange Length	25.50 in
Bottom Terminal Diameter	5.9 in
Diameter - Above Flange Maximum	13.00 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.38 in
Diameter - Below Flange Maximum P	8.90 in
Diameter - Live Part Bottom	8.38 in
Diameter - Live Part Top	9.25 in
Effective Length - Bottom Terminal	0.00 in
Effective Length - Top Terminal	7.50 in
Flange Mounting Hole Bolt Circle	15.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	17.25 in
Length	46.50 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	19.75 in
Length - Insulation Above Flange	8.30 in
Length - Insulation Below Flange	23.90 in
Length - Live Part Bottom	1.60 in
Length - Live Part Top	9.20 in
Length - Minimum Oil Immersion Level	19.75 in
Sealing Surface Inside Diameter	9.87 in
Sealing Surface Outside Diameter	14.12 in
Top Terminal Min. Thread Length	7.50 in
Weight	339 lb

Electrical Ratings

BIL	150 kV
Current Rating	7500 A
Minimum Creepage	21.0 in
Minimum Creepage - Inside	NA

Minimum Strike	9.6 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 kV

Certifications and Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - SDC GSU Bushing 25kV, 7,500A Model: 150-075-G-893-00 \(S-2049-8591\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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