

HUBBELL

Power Systems

SDC™ Composite Bushing - 25KV

By Electro Composites
 Catalog # [150-142-G-864-00](#)

SDC™ 25kV-14200A GSU Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil Immersion Level/CT Pocket, 30.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01/C57.19.04 Electrical and Mechanical Requirements

General

Application	GSU
Bottom Terminal Type	2X Blades With 6X 0.69 Dia Holes
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	12
Number of Bolt Holes - Top Terminal	40
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4X Blades With 10X 0.69 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.3 in
Below Flange Length	38.37 in
Diameter - Above Flange Maximum	15.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	12.50 in
Diameter - Below Flange Maximum P	12.50 in
Diameter - Live Part Bottom	12.50 in
Diameter - Live Part Top	13.81 in
Dimensions	59.60 in x 23.00 in x 23.00 in
Effective Length - Bottom Terminal	4.56 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	21 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	23 in
Height	23 in
Length	59.6 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	12.90 in
Length - Insulation Below Flange	32.07 in
Length - Live Part Bottom	6.30 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	13.11 in
Sealing Surface Outside Diameter	20.12 in
Top Terminal Min. Thread Length	3.88 in
Weight	556 lb
Width	23 in

Electrical Ratings

BIL	150 kV
Current Rating	14200 A
Minimum Creepage	30.3 in
Minimum Creepage - Inside	NA
Minimum Strike	13.5 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/C57-19.04

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing 25kV, 14,200A Model: 150-142-G-864-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)