

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # [150-065-G-507-02](#)

SDC™ 27.5kV-6500 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 37.3" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	GSU
Bottom Terminal Type	6-10
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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	6-10
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.14 in
Below Flange Length	32.5 in
Diameter - Above Flange Maximum	13.00 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.38 in
Diameter - Below Flange Maximum P	8.91 in
Diameter - Live Part Bottom	8.38 in
Diameter - Live Part Top	8.88 in
Dimensions	55.64 in x 14.75 in x 14.75 in
Effective Length - Bottom Terminal	4.26 in
Effective Length - Top Terminal	4.50 in
Flange Mounting Hole Bolt Circle	13.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	14.75 in
Height	14.75 in
Length	55.64 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	14.10 in
Length - Insulation Below Flange	5.70 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	9.87 in
Sealing Surface Outside Diameter	12.37 in
Top Terminal Min. Thread Length	4.5 in
Weight	349 lb
Width	14.75 in

Electrical Ratings

BIL	150 kV
Current Rating	6500 A
Minimum Creepage	37.3 in
Minimum Strike	15.7 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	27.5 kV

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 507-02_8060-3134](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved
EC-150065G50702-SPEC-EN | REV 6/2024