

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # [150-012-T-284-02](#)

SDC™ 27.5kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 28.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEC 60137 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	1 1/2-12
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 Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18 in
Below Flange Length	18.88 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	3.60 in
Diameter - Below Flange Maximum P	3.60 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Dimensions	36.88 in x 9.00 in x 9.00 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	4.53 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	9 in
Height	9 in
Length	36.88 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	9.00 in
Length - Insulation Below Flange	5.48 in
Length - Live Part Bottom	3.5 in
Length - Live Part Top	5.10 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.5 in
Top Terminal Min. Thread Length	4.53 in
Weight	51 lb
Width	9 in

Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	28.3 in
Minimum Strike	11.5 in
Withstand Voltage - 60 Hz Dry	55 kV
kV Class	27.5 kV

Certifications And Compliance

Industry Standard(s) IEC 60137

Product Assets

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 284-02_6685-6277](#)

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



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved
EC-150012T28402-SPEC-EN | REV 6/2024