

HUBBELL

Power Systems

SDC™ Composite Bushing - 25kV

By Electro Composites
 Catalog # 150-018-T-405-00

SDC™ 25kV-1800 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 6.8" Min. Oil Immersion Level/CT Pocket Length, 29.1" 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 IEEE C57.19.01 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	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.25 in
Below Flange Length	14.5 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	37.75 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	37.75 in
Length - Ground Shield	6.80 in
Length - Insulation Above Flange	13.60 in
Length - Insulation Below Flange	4.36 in
Length - Live Part Bottom	3.34 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	6.80 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.62 in
Top Terminal Min. Thread Length	3 in
Weight	56 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	1800 A
Minimum Creepage	29.1 in
Minimum Strike	15.9 in
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](#)

[Sales Drawings - 405-00_5291-4829](#)

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



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EC-150018T40500-SPEC-EN | REV 6/2024