

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # 350-020-T-903-01

SDC™ 69kV-2000 A Transformer Oil-Oil Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Oil-to-Oil Applications, 16.5" CT Pocket 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

Transformer Oil-Oil

General

Bottom Terminal Type	1 1/2-12
Color	Gray
Immersion Type - Above Flange	Oil
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	23.25 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	1.75 in
Effective Length - Bottom Terminal	2.13 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11.00 in
Length	56.75 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	16.00 in
Length - Insulation Below Flange	13.70 in
Length - Live Part Bottom	3.30 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	2.50 in
Weight	96 lb

Electrical Ratings

BIL	350 kV
Current Rating	2000 A
Minimum Creepage	31.70 in
Minimum Strike	18.80 in
Withstand Voltage - 60 Hz Dry	160 kV
kV Class	69 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 - 903-01_9970-9811](#)

[Sales Drawings - 903-01_9970-9811](#)

[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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