

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-060-T-1040-00

SDC™ 34.5kV-6000A 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, 48.1" Min. Creepage 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

General

Bottom Terminal Type	1X Blade With 6X 0.56 Dia Holes
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 Bolt Holes - Bottom Terminal	6
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4-12
Type	Condenser Bushings

Dimensions

Above Flange Length	23.5 in
Below Flange Length	35 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.02 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12.00 in
Length	58.50 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	15.90 in
Length - Insulation Below Flange	9.00 in
Length - Live Part Bottom	5.00 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.37 in
Thread Size - Drawlead Connector	NA
Top Terminal Min. Thread Length	3.00 in
Weight	307 lb

Electrical Ratings

BIL	200 kV
Current Rating	6000 A
Minimum Creepage	48.10 in
Minimum Strike	18.50 in
Withstand Voltage - 60 Hz	200 kV

Dry

kV Class

34.5 kV

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)

[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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