

SDC™ Composite Bushing - 12kV

By Electro Composites
Catalog # 075-040-T-602-00

SDC™ 12kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 7.25" Min. Oil Immersion Level/CT Pocket Length, 12.7" 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	M85x2
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 - Top Terminal	8
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2x Blades with 4x 0.71 Dia Holes
Type	Condenser Bushings

Dimensions

Above Flange Length	16.34 in
Below Flange Length	16.14 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	7.00 in
Effective Length - Bottom Terminal	3.94 in
Effective Length - Top Terminal	4.50 in
Flange Mounting Hole Bolt Circle	12.20 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter Length	13.78 in
Length - Ground Shield	7.25 in
Length - Insulation Above Flange	4.25 in
Length - Insulation Below Flange	2.87 in
Length - Live Part Bottom	6.02 in
Length - Live Part Top	7.16 in
Length - Minimum Oil Immersion Level	7.25 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	11.45 in
Weight	176 lb

Electrical Ratings

BIL	75 kV
Current Rating	4000 A
Minimum Creepage	12.70 in
Minimum Strike	7.10 in
Withstand Voltage - 60 Hz Dry	38 kV
kV Class	12 kV

Certifications and Compliance

Product Assets

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites
Literature - Apparatus Bushings Selection Guide (TDO2026E)
Literature - SDC™ GSU Bushings - Electro Composites (SF02018E)
Literature - SDC™ HV Generator Bushings - Electro Composites (SF02019E)
Literature - SDC™ HV Bushings - Electro Composites (SF02017E)
Literature - EC SDC Solid Dielectric Bushings v3
Literature - FRENCH V2 - EC Generation Bushings
Literature - FRENCH V2 - EC GSU Bushings
Literature - How an SDC Bushing Test Tap is Constructed
Sales Drawings - 602-00_6731-6340
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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