

SDC™ Composite Bushing - 35kV DC

By Electro Composites
Catalog # 170-012-D-1076-00

SDC™ 35kV-1200 A DC Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 62199, Bottom Connected for Air-to-Air Applications, 21" Ground Shield Length, 37.6" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Can be mounted vertically or horizontally

Application

DC

General

Bottom Terminal Type	1 1/2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	20.80 in
Below Flange Length	53.25 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt/> 1"	5.75 in
Diameter - Below Flange Maximum P	5.75 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.00 in
Length	74.00 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	13.60 in
Length - Insulation Below Flange	28.05 in
Length - Live Part Bottom	4.20 in
Length - Live Part Top	3.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.75 in
Sealing Surface Outside Diameter	7.37 in
Top Terminal Min. Thread Length	2.50 in
Weight	140 lb

Electrical Ratings

BIL	170 kV
Current Rating	1200 A
Minimum Creepage	37.60 in
Minimum Creepage - Inside	36.70 in
Minimum Strike	15.80 in
Minimum Strike - Inside	30.60 in
Withstand Voltage - 60 Hz	80 kV

Withstand voltage - 50 Hz 35 kV
Dry
kV Class 35 kV

Certifications and Compliance

Industry Standard(s) IEC 62199

Product Assets

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites
Literature - Apparatus Bushings Selection Guide (TD02026E)
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 - 1076-00_4038-10251



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