

SDC™ Composite Bushing - 13.8kV

By Electro Composites
Catalog # 095-040-W-293-00

SDC™ 13.8kV-4000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Air Applications, 10" Ground Shield Length, 20.2" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Wall/Floor

General

Bottom Terminal Type	1X BLADE WITH 4X 0.65 DIA HOLES
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 Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 4X 0.65 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	16.00 in
Below Flange Length	21.00 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	4.25 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter Length	12.00 in
Length - Ground Shield	37.00 in
Length - Insulation Above Flange	10.00 in
Length - Insulation Below Flange	6.70 in
Length - Insulation Below Flange	5.50 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	10.13 in
Weight	172.35 lb

Electrical Ratings

BIL	95 kV
Current Rating	4000 A
Minimum Creepage	20.20 in
Minimum Creepage - Inside	6.00 in
Minimum Strike	9.30 in
Minimum Strike - Inside	6.00 in
Withstand Voltage - 60 Hz Dry	38 kV
kV Class	13.8 kV

Certifications and Compliance

Industry Standard(s)

IEC 60137

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 - 293-00_4670-3984



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