

SDC™ Composite Bushing - 145kV

By Electro Composites
Catalog # 550-012-W-113-03

SDC™ 145kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Air Applications, 10" Ground Shield/CT Pocket Length, 174.4" 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	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	8
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	67.5 in
Below Flange Length	58.5 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.03 in
Diameter - Below Flange Maximum P	7.11 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	5.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	15.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	17.00 in
Length	126.00 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	56.80 in
Length - Insulation Below Flange	42.35 in
Length - Live Part Bottom	6.15 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	14.12 in
Top Terminal Min. Thread Length	3.00 in
Weight	416 lb

Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	174.40 in
Minimum Strike	59.60 in
Withstand Voltage - 60 Hz Dry	230 kV
kV Class	145 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 - 113-03_4431-5500
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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