

SDC™ Composite Bushing - 123kV

By Electro Composites
Catalog # 550-008-T-498-00

SDC™ 123kV-800DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Drawlead Connected for Air-to-Oil Applications, 18.8" Min. Oil Immersion Level/CT Pocket Length, 138" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEC 60137 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	CORONA SHIELD
Catalog Number	550-008-T-498-00
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 Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	55.63 in
Below Flange Length	34.75 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt; 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	4.65 in

Diameter - Live Part Top	5.00 in
Diameter - Rod / Tube	1.50/0.88 in
Dimensions	90.38 in x 11.38 in x 11.38 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.88 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	11.38 in
Height	11.38 in
Length	90.38 in
Length - Drawlead Above Flange	50.13 in
Length - Ground Shield	18.80 in
Length - Insulated Section	79.8 in
Length - Insulation Above Flange	41.70 in
Length - Insulation Below Flange	12.45 in
Length - Live Part Bottom	3.50 in
Length - Live Part Top	7.10 in
Length - Minimum Oil Immersion Level	18.80 in
Sealing Surface Inside Diameter	6.23 in
Sealing Surface Outside Diameter	9.25 in
Stud Inside Diameter	0.88 in
Thickness	1.76 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	4 in
Weight	217 lb
Width	11.38 in

Electrical Ratings

BIL	550 kV
Current Rating	800 A
Minimum Creepage	138 in
Minimum Strike	43 in
Withstand Voltage - 60 Hz Dry kV Class	255 kV
	123 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137	Literature - SDC™ GSU Bushings - Electro Composites Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR Literature - Apparatus Bushings Selection Guide Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™ Literature - SDC™ HV Bushings - Electro Composites Sales Drawings - 498-00_5741-5488 Specifications - 550008T49800 Video - ElectroComposites Factory Tour: St. Jerome
Product Assets		
Catalogs - Electro Composites SDC™ composite bushings Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites Literature - SDC™ HV Generator Bushings - Electro Composites Literature - How an SDC Bushing Test Tap is Constructed Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU		