HUBBELL Power Systems

PRC 85 Series Bushing - 35kV

By PCORE Electric Catalog # B-85303-70

PRC® 35kV-400A Transformer Bushing, Paper-Resin-Capacitor Type, Rated per CSA C88.1, Draw-Lead Connected for Air-to-Oil Applications, 21.62" Min. Oil Immersion Level



*Representative Image

Features

- Resin-impregnated paper wound core with external porcelain insulator
- High creep upper porcelain, High seismic

General

Application	Transformer
Bottom Terminal Type	Hole
Color	Gray
Immersion Type - Above	Air
Flange	
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	Porcelain
Mounting Position	Vertical
Number of Flange Mounting	4
Holes	
Test Tap	Yes
Top Terminal Plating	Silver Plated
Top Terminal Type	Threaded
Туре	Condenser Bushings

Dimensions

Above Flange Length Below Flange Length Diameter - Below Flange Maximum D <gt></gt> Diameter - Below Flange Maximum P Diameter - Live Part Top Diameter - Top Terminal Outside Effective Length - Top Terminal Flange Mounting Hole Bolt Circle Flange Mounting Hole Diameter Flange Outside Diameter Length Length Length - Drawlead Above Flange Length - Ground Shield Length - Live Part Top Length - Minimum Oil Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 1 in Weight 3.38 in 3.38 in 3.38 in 11/2-12 0.88 in 7.25 in 7.26 in 7.26 in 8.5 in 8.5 in 8.5 in 8.5 in 1.62 in 1.62 in 1.62 in 1.62 in 1.62 in 1.62 in 1.63 in 1.64 in 1.65 in 1.65 in 1.65 in 1.65 in 1.67 in 1.68 in 1.69 in 1.69 in 1.69 in 1.60 i		
Diameter - Below Flange Maximum D < gt/> 1" Diameter - Below Flange Maximum P Diameter - Live Part Top Diameter - Top Terminal Outside Effective Length - Top Terminal Flange Mounting Hole Bolt Circle Flange Mounting Hole Diameter Flange Outside Diameter Length Length - Drawlead Above Flange Length - Ground Shield Length - Live Part Top Length - Minimum Oil Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 3.38 in 3.88 in 2.50 in 7.25 in 7.25 in 7.25 in 2.50 in 7.25 in 2.50 in 54.06 in 20.25 in Ength 21.62 in 21.62 in Ength - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 1 in	Above Flange Length	23.94 in
Maximum D <gt></gt> Diameter - Below Flange 3.38 in Maximum P Diameter - Live Part Top 3.88 in Diameter - Top Terminal 11/2-12 Outside Effective Length - Top Terminal 2.50 in Flange Mounting Hole Bolt 7.25 in Circle Flange Mounting Hole Diameter 0.88 in Flange Outside Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Below Flange Length	30.12 in
Diameter - Below Flange Maximum P Diameter - Live Part Top 3.88 in Diameter - Top Terminal 11/2-12 Outside Effective Length - Top Terminal 2.50 in Flange Mounting Hole Bolt 7.25 in Circle Flange Mounting Hole Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 6.25 in	Diameter - Below Flange	3.12 in
Maximum P Diameter - Live Part Top 3.88 in Diameter - Top Terminal 11/2-12 Outside Effective Length - Top Terminal 2.50 in Flange Mounting Hole Bolt 7.25 in Circle Flange Mounting Hole Diameter 0.88 in Flange Outside Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Maximum D <gt></gt> 1"	
Diameter - Live Part Top Diameter - Top Terminal Diameter - Top Terminal Outside Effective Length - Top Terminal Flange Mounting Hole Bolt Circle Flange Mounting Hole Diameter Flange Outside Diameter Length Length Drawlead Above Length - Ground Shield Length - Live Part Top Length - Minimum Oil Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 1 in	Diameter - Below Flange	3.38 in
Diameter - Top Terminal Outside Effective Length - Top Terminal Flange Mounting Hole Bolt Circle Flange Mounting Hole Diameter Flange Outside Diameter Length Length - Drawlead Above Flange Length - Ground Shield Length - Live Part Top Length - Minimum Oil Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 1 in	Maximum P	
Outside Effective Length - Top Terminal 7.25 in Flange Mounting Hole Bolt 7.25 in Circle Flange Mounting Hole Diameter 0.88 in Flange Outside Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Diameter - Live Part Top	3.88 in
Effective Length - Top Terminal Plange Mounting Hole Bolt 7.25 in Circle Flange Mounting Hole Diameter 0.88 in Flange Outside Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Diameter - Top Terminal	1 1/2-12
Flange Mounting Hole Bolt Circle Flange Mounting Hole Diameter Flange Mounting Hole Diameter Rlange Outside Diameter Length Length - Drawlead Above Flange Length - Ground Shield Length - Live Part Top Length - Minimum Oil Rength - Minimum Oil Rength - Minimum Oil Rength - Sealing Surface Outside Diameter Stud Inside Diameter 7.25 in 7.25 in 7.25 in 7.25 in 7.25 in 7.26 in 8.5 in 6.25 in 7.25 in 8.5 in 8.5 in 8.5 in 9.6 2 in 9.6 2 in 9.7 in 9.7 in 9.7 in 9.8 i	Outside	
Circle Flange Mounting Hole Diameter 0.88 in Flange Outside Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Diameter 8.5 in Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Flange Mounting Hole Bolt	7.25 in
Flange Outside Diameter Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Circle	
Length 54.06 in Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Flange Mounting Hole Diameter	0.88 in
Length - Drawlead Above 20.25 in Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside Diameter Stud Inside Diameter 1 in	Flange Outside Diameter	8.5 in
Flange Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Length	54.06 in
Length - Ground Shield 21.62 in Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Length - Drawlead Above	20.25 in
Length - Live Part Top 5.62 in Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Flange	
Length - Minimum Oil 21.62 in Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Length - Ground Shield	21.62 in
Immersion Level Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Length - Live Part Top	5.62 in
Sealing Surface Outside 6.25 in Diameter Stud Inside Diameter 1 in	Length - Minimum Oil	21.62 in
Diameter Stud Inside Diameter 1 in	Immersion Level	
Stud Inside Diameter 1 in	Sealing Surface Outside	6.25 in
	Diameter	
Weight 43 lb	Stud Inside Diameter	1 in
	Weight	43 lb

Electrical Ratings

BIL	200 kV
Current Rating	400 A
Minimum Creepage	41 in
Minimum Strike	17 in
kV Class	35 kV

Certifications And Compliance

Industry Standard(s) CSA

Product Assets

Installation Manuals - Instruction Manual for PRC® Bushings Sales Drawings - PRC Bushing



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