

HUBBELL Power Systems

PDV-100 Optima Arrester (17 kV MCOV, 7314 Hardware)

By OHIO BRASS
Catalog # [2137177314](#)

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge
Arrester



*Representative Image

Features

- Over 35 years of excellent field performance with over 40 million distribution arresters installed
- Long lasting ESP™ housing material with superior mechanical strength and electrical characteristics
- Reliable capacitive disconnecter operates at fault currents as low as 1 Amp
- Dynamic triple sealing system protects internal components from moisture ingress to extend service lifetime
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

General

Application	Distribution
Bracket Type	None
Cantilever Bending Strength - Max.	80 Nm
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414216

Dimensions

Dimensions	13.063 in x 8.313 in x 5.125 in
Height	5.125 in
Length	13.063 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	8.0 in (203.2 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	10.0 in (254 mm)
Stud Type	3/8-16
Weight	5 lb
Width	8.313 in

Electrical Ratings

Creep and Leakage Distance	28.1 in (713 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	
Duty Cycle	21 kV
Frequency Rating	48-62 Hz
MCOV	17 kV
Maximum .5 Microsecond	71 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	51.4 kV @ 1.5 kA
	55 kV @ 3 kA
	58.2 kV @ 5 kA
	63.5 kV @ 10 kA
	72.1 kV @ 20 kA
	85 kV @ 40 kA
Maximum Switching Surge	47 kV
Protective Level @ 500A	
Minimum Strike	9.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	

Logistics

Pallet Quantity	168
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Product Assets

Brochures - Ohio Brass Sets the Standards for Arresters
Catalogs - Arresters IEEE & IEC Distribution Class
Installation Manuals - Installation Instructions for PDV/PVR Arresters - Spanish
Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese
Installation Manuals - Installation Instructions for PDV/PVR Arresters - French
Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions
ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc. Effective 2020-2023, Multi-site (English)
ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.
Literature - Hubbell Arrester and Wildlife Guard Solution Kits
Literature - Lightning Surge Arresters
Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems
Sales Drawings - 2137177314 (Reference Only)
Video - Hubbell Power Systems Metal Oxide Varistor



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