

**PDV-100 Optima Arrester (8.4 kV  
MCOV, 7533 Hardware)**

By OHIO BRASS  
Catalog # [2137097533](#)

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge  
Arrester

**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

**Application**

Distribution

**General**

Bracket Type	Transformer Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137097533
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359385608

**Dimensions**

Dimensions	13.063 in x 8.313 in x 5.125 in
Height	5.125 in
Length	13.063 in
Stud Type	3/8-16
Weight	4.6 lb
Width	8.313 in

**Electrical Ratings**

Creep and Leakage Distance	14.4 in (365 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	
Duty Cycle	10 kV
Frequency Rating	48-62 Hz



MCOV	8.4 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	35.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 25.6 kV @ 1.5 kA</li><li>• 27.4 kV @ 3 kA</li><li>• 29 kV @ 5 kA</li><li>• 31.6 kV @ 10 kA</li><li>• 35.9 kV @ 20 kA</li><li>• 42.3 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	23.4 kV
Minimum Strike	5.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

**Certifications And Compliance**

Buy America(n) Qualified	TAA Compliant (All status valid till December 2024)
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**Logistics**

Pallet Quantity	192
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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 - Chinese](#)  
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Spanish](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - French](#)  
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)  
[Literature - Lightning Surge Arresters](#)  
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)  
[Literature - Hubbell Arrester and Wildlife Guard Solution Kits](#)  
[Sales Drawings - 2137097533 Drawing](#)  
[Specifications - 2137097533](#)

