

# HUBBELL Power Systems

## PDV-100 Optima Arrester (24.4 kV MCOV, 7324 Hardware)

By OHIO BRASS  
Catalog # [2137247324](#)

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	NEMA 4x5 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137247324
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414810

### Dimensions

Height	13.1 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	12.0 in (304.8 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	14.0 in (355.6 mm)
Stud Type	3/8-16

### Electrical Ratings

Creep and Leakage Distance	42.5 in (1079 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	



\*Representative Image

Duty Cycle	30 kV
Frequency Rating	48-62 Hz
MCOV	24.4 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	105.2 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 76 kV @ 1.5 kA</li><li>• 81.4 kV @ 3 kA</li><li>• 86.2 kV @ 5 kA</li><li>• 94 kV @ 10 kA</li><li>• 106.8 kV @ 20 kA</li><li>• 125.9 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	69.6 kV
Minimum Strike	14 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	35
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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](#)

