

## PDV-100 Optima Arrester (12.7 kV MCOV, 7323 Hardware)

By OHIO BRASS  
Catalog # 2137137323

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

### Application

Distribution

### General

Bracket Type	NEMA 4x5 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Color	Gray
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution

### Dimensions

Height	7.8 in
Stud Type	3/8-16

### Electrical Ratings

Creep and Leakage Distance	25.2 in (640 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	15 kV
Frequency Rating	48-62 Hz
MCOV	12.7 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	53.8 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> <li>• 38.7 kV @ 1.5 kA</li> <li>• 41.4 kV @ 3 kA</li> <li>• 43.8 kV @ 5 kA</li> <li>• 47.8 kV @ 10 kA</li> <li>• 54.3 kV @ 20 kA</li> <li>• 64 kV @ 40 kA</li> </ul>
Maximum Switching Surge Protective Level @ 500A	34.5 kV
Minimum Strike	8.8 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 $\mu$ s
Withstand Voltage - 60 Hz Wet	35.5
Withstand Voltage - Lightning Impulse	76.4

### Product Assets

[Brochures - Ohio Brass Sets the Standards for Arresters \(EU1587\)](#)  
[Catalogs - Arresters IEEE & IEC Distribution Class \(CA01065E\\_Catalog 70\)](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese \(17-5122C\)](#)  
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions \(17-5122\)](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - French \(17-5122F\)](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Spanish \(17-5122S\)](#)  
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)  
[ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc. Effective 2020-2023, Multi-site \(English\)](#)  
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)  
[Literature - Lightning Surge Arresters \(SE01023E\)](#)



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