

## PDV-65 Optima Arrester (12.7 kV MCOV, 7333 Hardware)

By OHIO BRASS  
Catalog # [2132637333](#)

IEEE Normal Duty Class / IEC Distribution Medium 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	Transformer Bracket
Cantilever Bending Strength - Max.	45 Nm
Color	Gray
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359683711

### Dimensions

Height	12.4 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	6.7 in (170.18 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	8.5 in (215.9 mm)
Stud Type	3/8-16

### Electrical Ratings

Creep and Leakage Distance	25.5 in (648 mm)
Current - Low Current Long Duration (LCLD) Test	75 A
Duty Cycle	15 kV
Frequency Rating	48-62 Hz
MCOV	12.7 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	50.6 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> <li>• 39.9 kV @ 1.5 kA</li> <li>• 42.5 kV @ 3 kA</li> <li>• 45.3 kV @ 5 kA</li> <li>• 51 kV @ 10 kA</li> <li>• 58.9 kV @ 20 kA</li> <li>• 73.7 kV @ 40 kA</li> </ul>
Maximum Switching Surge Protective Level @ 500A	35.7 kV
Minimum Strike	9.7 in
Pressure Relief Capability- Symmetrical rms (kA)	15
Time - Low Current Long Duration (LCLD) Test	2000 $\mu$ s

### Certifications and Compliance

Industry Standard(s)	IEEE/IEC
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### Logistics

Pallet Quantity	112
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### 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 (SF01023E)  
Literature - Hubbell Arrester and Wildlife Guard Solution Kits (SF14069E)  
Video - Hubbell Power Systems Metal Oxide Varistor (VI01022E0718)



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