

**PDV-65 Optima Arrester (29 kV  
MCOV, 7533 Hardware)**

By OHIO BRASS  
Catalog # [2175797533](#)

IEEE Normal Duty Class / IEC Distribution Medium 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.	45 Nm
Catalog Number	2175797533
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution

**Dimensions**

Height	20.8 in
Stud Type	3/8-16

**Electrical Ratings**

Creep and Leakage Distance	46.2 in (1173 mm)
Current - Low Current Long	75 A
Duration (LCLD) Test	
Duty Cycle	36 kV
Frequency Rating	48-62 Hz
MCOV	29 kV



Maximum .5 Microsecond Discharge Volts @ Classifying Current	119.3 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 94.4 kV @ 1.5 kA</li><li>• 100.5 kV @ 3 kA</li><li>• 107.2 kV @ 5 kA</li><li>• 120.7 kV @ 10 kA</li><li>• 139.4 kV @ 20 kA</li><li>• 202 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	84.5 kV
Pressure Relief Capability-Symmetrical rms (kA)	15
Time - Low Current Long Duration (LCLD) Test	2000 Qs

**Certifications And Compliance**

Industry Standard(s)	IEC
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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](#)  
[Specifications - Specification for IEEE Normal Duty Class Distribution Arresters](#)  
[Specifications - 2175797533](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor](#)  
[Video - Hubbell Power Systems In Depth: Distribution Arresters](#)