

# HUBBELL Power Systems

## PDV-100 Optima Arrester (15.3 kV MCOV, 7333 Hardware)

By OHIO BRASS

Catalog # [2137157333](#)

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                       | Transformer Bracket  |
| Cantilever Bending Strength - Max. | 80 Nm                |
| Catalog Number                     | 2137157333           |
| Color                              | Gray Housing         |
| EU RoHS Indicator                  | Contact Manufacturer |
| Material                           | ESP™ Polymer Housing |
| Mounting Position                  | Upright              |
| Type                               | Distribution         |
| UPC                                | 096359413813         |

Dimensions

|            |                                 |
|------------|---------------------------------|
| Dimensions | 10.130 in x 4.560 in x 9.750 in |
| Height     | 9.75 in                         |
| Length     | 10.13 in                        |
| Stud Type  | 3/8-16                          |
| Weight     | 6 lb                            |
| Width      | 4.56 in                         |

Electrical Ratings

|                            |                  |
|----------------------------|------------------|
| Creep and Leakage Distance | 25.2 in (640 mm) |
| Current - Low Current Long | 250 A            |
| Duration (LCLD) Test       |                  |
| Duty Cycle                 | 18 kV            |

|  |  |
|--|--|
| Frequency Rating   | 48-62 Hz   |
| MCOV   | 15.3 kV  |
| Maximum .5 Microsecond Discharge Volts @ Classifying Current | 63.1 kV  |
| Maximum Discharge Voltage                                    | <ul style="list-style-type: none"><li>• 45.6 kV @ 1.5 kA</li><li>• 48.8 kV @ 3 kA</li><li>• 51.7 kV @ 5 kA</li><li>• 56.4 kV @ 10 kA</li><li>• 64.1 kV @ 20 kA</li><li>• 75.5 kV @ 40 kA</li></ul> |
| Maximum Switching Surge Protective Level @ 500A              | 41.7 kV  |
| Minimum Strike   | 8.8 in   |
| Pressure Relief Capability-Symmetrical rms (kA)              | 20   |
| Time - Low Current Long Duration (LCLD) Test                 | 2000 Qs  |

Logistics

|                 |     |
|-----------------|-----|
| Pallet Quantity | 112 |
|-----------------|-----|

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 - 2137157333 \(Reference Only\)](#)
- [Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
- [Specifications - 2137157333](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)