

**HUBBELL**  
**Power Systems**

**PDV-100 Optima Arrester (15.3 kV  
MCOV, 7314 Hardware)**

By OHIO BRASS  
Catalog # [2137157314](#)

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	None
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137157314
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359383758

## 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	4.6 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	2000 Qs
Duration (LCLD) Test	

## Logistics

Pallet Quantity	136
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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](#)  
[Sales Drawings - 2137157314 \(Reference Only\)](#)  
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)  
[Specifications - 2137157314](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor](#)



A Hubbell brand