

**PDV-100 Optima Arrester (15.3 kV  
MCOV, 7202 Hardware)**

By OHIO BRASS  
Catalog # [2137157202](#)

IEEE Heavy Duty / IEC Distribution High 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	None
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137157202
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359413714

**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	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	

**Certifications And Compliance**

Industry Standard(s)	IEEE/IEC
----------------------	----------

**Logistics**

Pallet Quantity	91
-----------------	----

**Product Assets**

- [Catalogs - Arresters IEEE & IEC Distribution Class](#)
- [ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
- [Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
- [Literature - Hubbell Arrester and Wildlife Guard Solution Kits](#)
- [Sales Drawings - 2137157202 \(Reference Only\)](#)
- [Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
- [Specifications - 2137157202](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)