

PDV-100 Optima Arrester (22 kV  
MCOV, 7224 Hardware)

By OHIO BRASS  
Catalog # [2137227224](#)

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	NEMA 4x5 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137227224
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414544

Dimensions

Height	12.6 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	39.6 in (1005 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	



\*Representative Image

Duty Cycle	27 kV
Frequency Rating	48-62 Hz
MCOV	22 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	95.9 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 69.2 kV @ 1.5 kA</li><li>• 74 kV @ 3 kA</li><li>• 78.4 kV @ 5 kA</li><li>• 85.5 kV @ 10 kA</li><li>• 97.1 kV @ 20 kA</li><li>• 114.5 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	63.3 kV
Minimum Strike	13.4 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Certifications And Compliance

Industry Standard(s)	IEEE/IEC
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Logistics

Pallet Quantity	64
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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](#)  
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)  
[Specifications - 2137227224](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor](#)