

**PDV-100 Optima Arrester (8.4 kV
MCOV, 7314 Hardware)**

By OHIO BRASS
Catalog # [2137097314](#)

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	2137097314
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359383710

Dimensions

Dimensions	11.438 in x 9.250 in x 4.938 in
Height	4.938 in
Length	11.438 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	4.2 in (106.68 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	6.2 in (157.48 mm)
Stud Type	3/8-16
Weight	2.9 lb
Width	9.25 in

Electrical Ratings

Creep and Leakage Distance	14.4 in (365 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	10 kV
Frequency Rating	48-62 Hz
MCOV	8.4 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	35.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 25.6 kV @ 1.5 kA• 27.4 kV @ 3 kA• 29 kV @ 5 kA• 31.6 kV @ 10 kA• 35.9 kV @ 20 kA• 42.3 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	23.4 kV
Minimum Strike	5.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Certifications And Compliance

Buy America(n) Qualified	BABA Compliant (All status valid till December 2024)
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Logistics

Carton Quantity	1
Pallet Quantity	224

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 - 2137097314 (Reference Only)

Specifications - 2137097314
Specifications - Specification for IEEE Heavy Duty Class
Distribution Arresters
Video - Hubbell Power Systems Metal Oxide Varistor



A Hubbell brand

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