

**PDV-100 Optima Arrester (29 kV
MCOV, 7324 Hardware)**

By OHIO BRASS
Catalog # [2137297324](#)

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	2137297324
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414971

Dimensions

Height	15.5 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	14.5 in (368.3 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	16.5 in (419.1 mm)
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	50.4 in (1280 mm)
Current - Low Current Long Duration (LCLD) Test	250 A



*Representative Image

Duty Cycle	36 kV
Frequency Rating	48-62 Hz
MCOV	29 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	126.3 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 91.3 kV @ 1.5 kA• 97.8 kV @ 3 kA• 103.5 kV @ 5 kA• 112.9 kV @ 10 kA• 128.3 kV @ 20 kA• 151.2 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	83.5 kV
Minimum Strike	16.2 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Logistics

Carton Quantity	1
Pallet Quantity	35

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 - 2137297324 \(Reference Only\)](#)
[Specifications - 2137297324](#)



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