

HUBBELL

Power Systems

PDV-100 Optima Arrester (19.5 kV MCOV, 7314 Hardware)

By OHIO BRASS

Catalog # [2137207314](#)

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	2137207314
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414377

Dimensions

Height	11.5 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	10.0 in (254 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	12.0 in (304.8 mm)
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	36.5 in (927 mm)
Current - Low Current Long Duration (LCLD) Test	250 A

Duty Cycle	24 kV
Frequency Rating	48-62 Hz
MCOV	19.5 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	85.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 61.6 kV @ 1.5 kA• 66 kV @ 3 kA• 69.9 kV @ 5 kA• 76.2 kV @ 10 kA• 86.6 kV @ 20 kA• 102 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	56.4 kV
Minimum Strike Pressure Relief Capability-Symmetrical rms (kA)	12.4 in
Time - Low Current Long Duration (LCLD) Test	20
	2000 Qs

Logistics

Pallet Quantity	80
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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 - Spanish](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - French](#)
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions](#)
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
[Literature - Hubbell Arrester and Wildlife Guard Solution Kits](#)
[Literature - Lightning Surge Arresters](#)
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
[Specifications - 2137207314](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)