

HUBBELL

Power Systems

PDV-100 Optima Arrester (19.5 kV MCOV, 7324 Hardware)

By OHIO BRASS
 Catalog # [2137207324](#)

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

General

Application	Distribution
Bracket Type	NEMA 4x5 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414384

Dimensions

Dimensions	20.813 in x 9.188 in x 5.375 in
Height	5.375 in
Length	20.813 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
Weight	8.6 lb
Width	9.188 in

Electrical Ratings

Creep and Leakage Distance	36.5 in (927 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	
Duty Cycle	24 kV
Frequency Rating	48-62 Hz
MCOV	19.5 kV
Maximum .5 Microsecond	85.5 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	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	12.4 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	

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 9001:2015 - Hubbell Power Systems Inc.](#)

[Effective 2020-2023, Multi-site \(English\)](#)

[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](#)

[Sales Drawings - 2137207324 \(Reference Only\)](#)

[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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