

HUBBELL Power Systems

PDV-100 Optima Arrester (10.2 kV MCOV, 7324 Hardware)

By OHIO BRASS
Catalog # [2137107324](#)

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	096359413066

Dimensions

Dimensions	11.813 in x 7.313 in x 4.750 in
Height	4.75 in
Length	11.813 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	5.5 in (139.7 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	7.5 in (190.5 mm)
Stud Type	3/8-16
Weight	3.4 lb
Width	7.313 in

Electrical Ratings

Creep and Leakage Distance	17 in (431 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	
Duty Cycle	12 kV
Frequency Rating	48-62 Hz
MCOV	10.2 kV
Maximum .5 Microsecond	42.1 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	30.4 kV @ 1.5 kA
	32.6 kV @ 3 kA
	34.5 kV @ 5 kA
	37.6 kV @ 10 kA
	42.7 kV @ 20 kA
	50.3 kV @ 40 kA
Maximum Switching Surge	27.8 kV
Protective Level @ 500A	
Minimum Strike	6.6 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	

Logistics

Pallet Quantity	192
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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 - 2137107324 Drawing

Video - Hubbell Power Systems Metal Oxide Varistor



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