

HUBBELL Power Systems

PDV-100 Optima Arrester (17 kV MCOV, 7224 Hardware)

By OHIO BRASS
Catalog # [2137177224](#)

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	NEMA 4x5 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137177224
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414209

Dimensions

Height	8.6 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	8.0 in (203.2 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to	10.0 in (254 mm)
Phase	
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	28.1 in (713 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	

Duty Cycle	21 kV
Frequency Rating	48-62 Hz
MCOV	17 kV
Maximum .5 Microsecond	71 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	<ul style="list-style-type: none">• 51.4 kV @ 1.5 kA• 55 kV @ 3 kA• 58.2 kV @ 5 kA• 63.5 kV @ 10 kA• 72.1 kV @ 20 kA• 85 kV @ 40 kA
Maximum Switching Surge	47 kV
Protective Level @ 500A	
Minimum Strike	9.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	

Logistics

Pallet Quantity	112
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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 - 2137177224](#)
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)