

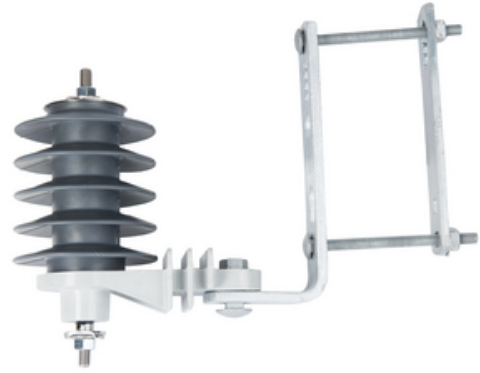
HUBBELL

Power Systems

PDV-100 Optima Arrester (31.5 kV MCOV, 7224 Hardware)

By OHIO BRASS
Catalog # [2137317224](#)

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
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359691723

Dimensions

Height	16.3 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	50.4 in (1280 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	
Duty Cycle	39 kV
Frequency Rating	48-62 Hz
MCOV	31.5 kV
Maximum .5 Microsecond	128.9 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	96.5 kV @ 1.5 kA
	102.9 kV @ 3 kA
	109.1 kV @ 5 kA
	120 kV @ 10 kA
	135 kV @ 20 kA
Maximum Switching Surge	92.5 kV
Protective Level @ 500A	
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	

Certifications And Compliance

Industry Standard(s)	IEEE/IEC
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Product Assets

- [Catalogs - Arresters IEEE & IEC Distribution Class](#)
- [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 - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)



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