

# HUBBELL Power Systems

## PDV-100 Optima Arrester (12.7 kV Uc, CCBI Hardware)

By OHIO BRASS  
Catalog # [294213CCBI](#)

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge  
Arrester



### 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 Crossarm Bracket
Color	Gray Housing
Material	ESP™ Polymer Housing
Type	Distribution

### Dimensions

Stud Type	M12
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### Electrical Ratings

Creep and Leakage Distance	17 in (431 mm)
Current - Low Current Long	250
Duration (LCLD) Test	
Duty Cycle	15 kV
Frequency Rating	48-62 Hz
MCOV	12.7 kV
Maximum .5 Microsecond	53.8 kV
Discharge Volts @ Classifying	
Current	
Maximum Discharge Voltage	38.7 kV @ 1.5 kA
	41.4 kV @ 3 kA
	43.8 kV @ 5 kA
	47.8 kV @ 10 kA
	54.3 kV @ 20 kA
	64 kV @ 40 kA
Maximum Switching Surge	34.5 kV
Protective Level @ 500A	
Pressure Relief Capability-	20
Symmetrical rms (kA)	
Time - Low Current Long	2000
Duration (LCLD) Test	
Withstand Voltage - 60 Hz Wet	35.5
Withstand Voltage - Lightning	76.4
Impulse	

## 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](#)

[Video - Hubbell Power Systems In Depth: Distribution Arresters](#)

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



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