

HUBBELL Power Systems

PDV-100 Optima Arrester (22 kV Uc, CCBE Hardware)

By OHIO BRASS
Catalog # [294222CCBE](#)

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	None
Color	Gray Housing
Material	ESP™ Polymer Housing
Type	Distribution

Dimensions

Stud Type	M12
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Electrical Ratings

Creep and Leakage Distance	39.6 in (1005 mm)
Current - Low Current Long	250
Duration (LCLD) Test	
Duty Cycle	27 kV
Frequency Rating	48-62 Hz
MCOV	22 kV
Maximum .5 Microsecond	95.9 kV
Discharge Volts @ Classifying	
Current	
Maximum Discharge Voltage	69.2 kV @ 1.5 kA
	74 kV @ 3 kA
	78.4 kV @ 5 kA
	85.5 kV @ 10 kA
	97.1 kV @ 20 kA
	114.5 kV @ 40 kA
Maximum Switching Surge	63.3 kV
Protective Level @ 500A	
Pressure Relief Capability-	20
Symmetrical rms (kA)	
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	
Withstand Voltage - 60 Hz Wet	61.6
Withstand Voltage - Lightning	136.6
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](#)



A Hubbell brand