

HUBBELL

Power Systems

PDV-100 Optima Arrester (29 kV MCOV, 7313 Hardware)

By OHIO BRASS
Catalog # [2137297313](#)

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	None
Cantilever Bending Strength - Max.	80 Nm
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution

Dimensions

Height	15.5 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	36 kV
Frequency Rating	48-62 Hz
MCOV	29 kV
Maximum .5 Microsecond	126.3 kV
Discharge Volts @ Classifying Current	
Maximum Discharge Voltage	91.3 kV @ 1.5 kA
	97.8 kV @ 3 kA
	103.5 kV @ 5 kA
	112.9 kV @ 10 kA
	128.3 kV @ 20 kA
	151.2 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	83.5 kV
Minimum Strike	16.2 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long	2000 Qs
Duration (LCLD) Test	
Withstand Voltage - 60 Hz Wet	81.1
Withstand Voltage - Lightning Impulse	180.3

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 Metal Oxide Varistor](#)



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