

# HUBBELL Power Systems

## PVR Optima (12.7 kV MCOV, 7314 Hardware)

By OHIO BRASS  
Catalog # [2216137314](#)

IEEE Riser Pole Class 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.	135 Nm
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359405061

### Dimensions

Height	12.4 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	6.3 in (160.02 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	8.3 in (210.82 mm)
Stud Type	3/8-16

### Electrical Ratings

Creep and Leakage Distance	26 in (660 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	15 kV
Frequency Rating	48-62 Hz
MCOV	12.7 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	45.5 kV
Maximum Discharge Voltage	34.6 kV @ 1.5 kA
	36.1 kV @ 3 kA
	37.6 kV @ 5 kA
	40.5 kV @ 10 kA
	44.8 kV @ 20 kA
	51.8 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	29.8 kV
Minimum Strike	9.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs
Withstand Voltage - 60 Hz Wet	33.5
Withstand Voltage - Lightning Impulse	76.4

### 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 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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