

HUBBELL Power Systems

PDV-100 Optima Arrester (15.3 kV MCOV, 7314 Hardware)

By Ohio Brass
Catalog # [2137157314](#)

PDV-100 Optima with birdcap and disconnecter



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

Application

Distribution

Specifications

EU RoHS Indicator Contact Manufacturer

Configuration

Mounting Position Upright

Current

Maximum .5 Microsecond Discharge Volts @ Classifying Current	63.1 kV
Current - Low Current Long Duration (LCLD) Test	250 A
Time - Low Current Long Duration (LCLD) Test	2000 μ s
Frequency Rating	48-62 Hz
Maximum Switching Surge Protective Level @ 500A	41.7 kV
MCOV	15.3 kV
Duty Cycle	18 kV
Minimum Strike	8.8 in

Pressure Relief Capability-Symmetrical rms (kA)	20
Creep and Leakage Distance	25.2 in (640 mm)
Maximum Discharge Voltage	<ul style="list-style-type: none">• 45.6 kV @ 1.5 kA• 48.8 kV @ 3 kA• 51.7 kV @ 5 kA• 56.4 kV @ 10 kA• 64.1 kV @ 20 kA• 75.5 kV @ 40 kA

Dimensions

Stud Type	3/8-16
Length	10.130 in
Width	4.560 in
Weight	4.6 lb.
Height	9.750 in
Dimensions	10.130 in x 4.560 in x 9.750 in

Force Related

Cantilever Bending Strength - Max.	80 Nm
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General

Color	Gray Housing
Type	Distribution
Material	ESP™ Polymer Housing
UPC	096359383758

Logistics

Pallet Quantity	136
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Product Assets

[Catalog \[English\]](#)
[Installation Manual \[English\]](#)
[Installation Manual \[English\]](#)
[Installation Manual \[French, English\]](#)
[Installation Manual \[Spanish\]](#)