

HUBBELL

Power Systems

PDV-100 Optima Arrester (10.2 kV MCOV, 7514 Hardware)

By OHIO BRASS
Catalog # [2137107514](#)

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
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359413103

Dimensions

Height	5.5 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	17 in (431 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	12 kV
Frequency Rating	48-62 Hz
MCOV	10.2 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	42.1 kV
Maximum Discharge Voltage	30.4 kV @ 1.5 kA 32.6 kV @ 3 kA 34.5 kV @ 5 kA 37.6 kV @ 10 kA 42.7 kV @ 20 kA 50.3 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	27.8 kV
Minimum Strike	6.6 in
Pressure Relief Capability - Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Certifications And Compliance

Industry Standard(s)	IEEE/IEC
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Logistics

Pallet Quantity	192
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Product Assets

[Catalogs - Arresters IEEE & IEC Distribution Class](#)
[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 - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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