

PDV-100 Optima Arrester (19.5 kV U_c, CCAA Hardware)

By OHIO BRASS
Catalog # [294220CCAA](#)

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

Application

Distribution

General

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	36.5 in (927 mm)
Current - Low Current Long Duration (LCLD) Test	250
Duty Cycle	24 kV
Frequency Rating	48-62 Hz
MCOV	19.5 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	85.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> • 61.6 kV @ 1.5 kA • 66 kV @ 3 kA • 69.9 kV @ 5 kA • 76.2 kV @ 10 kA • 86.6 kV @ 20 kA • 102 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	56.4 kV
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 μs
Withstand Voltage - 60 Hz Wet	54.6
Withstand Voltage - Lightning Impulse	121.7

Product Assets

[Brochures - Ohio Brass Sets the Standards for Arresters \(EU1587\)](#)
[Catalogs - Arresters IEEE & IEC Distribution Class \(CA01065E_Catalog 70\)](#)
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions \(17-5122\)](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese \(17-5122C\)](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - French \(17-5122F\)](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Spanish \(17-5122S\)](#)
[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 - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)
[Literature - Lightning Surge Arresters \(SF01023E\)](#)
[Literature - Hubbell Arrester and Wildlife Guard Solution Kits \(SF14069E\)](#)



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