HUBBELL
Power Systems

PDV-100 Optima Arrester (12.7 kV Uc, CCAA Hardware)

By OHIO BRASS
Catalog # 294213CCAA

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 disconnector 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
Catalog Number	294213CCAA
Color	Gray Housing
Material	ESP™ Polymer Housing
Type	Distribution

Dimensions

Stud Type	M12

Electrical Ratings

Creep and Leakage Distance	17 in (431 mm)
Current - Low Current Long Duration (LCLD) Test	250
Duty Cycle	15 kV
Frequency Rating	48-62 Hz
MCOV	12.7 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	53.8 kV
Maximum Discharge Voltage	• 38.7 kV @ 1.5 kA • 41.4 kV @ 3 kA • 43.8 kV @ 5 kA • 47.8 kV @ 10 kA • 54.3 kV @ 20 kA • 64 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	34.5 kV
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs
Withstand Voltage - 60 Hz Wet	35.5
Withstand Voltage - Lightning Impulse	76.4

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 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
Specifications - 294213CCAA
Video - Hubbell Power Systems In Depth: Distribution Arresters
Video - Hubbell Power Systems Metal Oxide Varistor

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