HUBBELL
Power Systems

PDV-100 Optima Arrester (29 kV MCOV, 7333 Hardware)

By OHIO BRASS
Catalog # 2137297333

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge Arrester

*Representative Image

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	Transformer Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137297333
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359414988

Dimensions

Height	15.5 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	14.5 in (368.3 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	16.5 in (419.1 mm)
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	50.4 in (1280 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	36 kV
Frequency Rating	48-62 Hz
MCOV	29 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	126.3 kV
Maximum Discharge Voltage	• 91.3 kV @ 1.5 kA • 97.8 kV @ 3 kA • 103.5 kV @ 5 kA • 112.9 kV @ 10 kA • 128.3 kV @ 20 kA • 151.2 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	83.5 kV
Minimum Strike	16.2 in
Pressure Relief Capability- Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Logistics

Pallet Quantity	35

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 - Specification for IEEE Heavy Duty Class Distribution Arresters
Specifications - 2137297333
Video - Hubbell Power Systems Metal Oxide Varistor

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