

HUBBELL Power Systems

PDV-100 Optima Arrester (2.55 kV MCOV, 7333 Hardware)

By OHIO BRASS
Catalog # [2137037333](#)

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	Transformer Bracket
Cantilever Bending Strength - Max.	80 Nm
Catalog Number	2137037333
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359411222

Dimensions

Height	3 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	3 in (76.2 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	5 in (127 mm)
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	8.5 in (215 mm)
Current - Low Current Long	250 A
Duration (LCLD) Test	

Duty Cycle	3 kV
Frequency Rating	48-62 Hz
MCOV	2.55 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	11.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 8 kV @ 1.5 kA• 8.6 kV @ 3 kA• 9.1 kV @ 5 kA• 9.9 kV @ 10 kA• 11.2 kV @ 20 kA• 13.3 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	7.3 kV
Minimum Strike	3.8 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Logistics

Pallet Quantity	128
-----------------	-----

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 - 2137037333](#)
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved
OB-2137037333-SPEC-EN | REV 10/2024