

HUBBELL

Power Systems

PDV-100 Optima Arrester (12.7 kV MCOV, 7354 Hardware)

By OHIO BRASS
Catalog # [2137137354](#)

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	NEMA 6x6 Crossarm Bracket
Cantilever Bending Strength - Max.	80 Nm
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution

Dimensions

Height	7.8 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	25.2 in (640 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
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
Minimum Strike	8.8 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

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 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 - Lightning Surge Arresters](#)

[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)

[Video - Hubbell Power Systems Metal Oxide Varistor](#)



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved
OB-2137137354-SPEC-EN | REV 6/2024