

PDV-65 Optima Arrester (22 kV MCOV, 7314 Hardware)

By OHIO BRASS
Catalog # 2132727314

IEEE Normal Duty Class / IEC Distribution Medium 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 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 |
| Cantilever Bending Strength - Max. | 45 Nm |
| Color | Gray Housing |
| EU RoHS Indicator | Contact Manufacturer |
| Material | ESP™ Polymer Housing |
| Mounting Position | Upright |
| Type | Distribution |
| UPC | 096359407607 |

Dimensions

| | |
|--|---------------------|
| Height | 17.8 in |
| Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground | 11.2 in (284.48 mm) |
| Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase | 13 in (330.2 mm) |
| Stud Type | 3/8-16 |

Electrical Ratings

| | |
|--|---|
| Creep and Leakage Distance | 41 in (1039 mm) |
| Current - Low Current Long Duration (LCLD) Test | 75 A |
| Duty Cycle | 27 kV |
| Frequency Rating | 48-62 Hz |
| MCOV | 22 kV |
| Maximum .5 Microsecond Discharge Volts @ Classifying Current | 89.6 kV |
| Maximum Discharge Voltage | <ul style="list-style-type: none"> • 70.8 kV @ 1.5 kA • 75.4 kV @ 3 kA • 80.4 kV @ 5 kA • 90.5 kV @ 10 kA • 104.6 kV @ 20 kA • 130.7 kV @ 40 kA |
| Maximum Switching Surge Protective Level @ 500A | 63.3 kV |
| Minimum Strike | 15.0 in |
| Pressure Relief Capability-Symmetrical rms (kA) | 15 |
| Time - Low Current Long Duration (LCLD) Test | 2000 μ s |
| Withstand Voltage - 60 Hz Wet | 82 |
| Withstand Voltage - Lightning Impulse | 230 |
| Withstand Voltage - Switching Impulse | 71.2 |

Logistics

| | |
|-----------------|----|
| Pallet Quantity | 56 |
|-----------------|----|

Product Assets

[Brochures - Ohio Brass Sets the Standards for Arresters \(EU1587\)](#)
[Catalogs - Arresters IEEE & IEC Distribution Class \(CA01065E_Catalog 70\)](#)
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese \(17-5122C\)](#)
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions \(17-5122\)](#)
[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 14001:2015 - Hubbell Power Systems Inc.
ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc.
Effective 2020-2023, Multi-site (English)
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)
Video - Hubbell Power Systems Metal Oxide Varistor
(VI01022E0718)



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