HUBBELL
Power Systems

# Protecta*Lite Arrester (88 kV MCOV)

By OHIO BRASS
Catalog # 672088M1J2003

This web listing represents a sampling of typical configurations. Protecta*Lite Arrester assemblies can be customized for all distribution and transmission lines.

Selection of arrester MCOV size is based upon the maximum continuous voltage that is applied across the arrester in service (line-to-ground). For arresters on effectively grounded neutral systems, this is normally the maximum line-to-ground voltage

*Example: 84 kV on a 138 kV system. For ungrounded or impedance-grounded systems, the MCOV should be at least 90 percent of maximum phase-to-phase voltage.*

For more information about arrester selection, please contact your Hubbell Power Systems representative.

## Features

- Eliminate lightning interruptions with Protecta*Lite Arresters
- Custom designs available up to 765 kV
- Protecta*Lite Arresters offer protection on both shielded and unshielded lines
- To learn more about how Protecta*Lite improves line performance, click here to visit our blog.

## Application

Above 35 kV

## General

| | |
|---|---|
| Catalog Number | 672088M1J2003 |
| Installation Type | Horizontal Post Assembly |
| Type | Line Arresters |

## Electrical Ratings

| | |
|---|---|
| Creep and Leakage Distance | 151.3 in (3843.0 mm) |
| Duty Cycle | 108 kV |
| Frequency Rating | 48-62 Hz |
| MCOV | 88 kV |
| Maximum .5 Microsecond Discharge Volts @ Classifying Current | 354.4 kV |
| Maximum Discharge Voltage | • 265.5 kV @ 1.5 kA<br>• 283.1 kV @ 3 kA<br>• 300 kV @ 5 kA<br>• 329.8 kV @ 10 kA<br>• 371.3 kV @ 20 kA<br>• 441.5 kV @ 40 kA |
| Maximum Switching Surge Protective Level @ 500A | 254.4 kV |
| Pressure Relief Capability-Symmetrical rms (kA) | 20 |
| Voltage - Line | 138 kV |

## Certifications And Compliance

| | |
|---|---|
| Industry Standard(s) | IEEE/IEC |

## Product Assets

Case Studies - Performance & Revenue Enhancements Utilizing Line Surge Arresters - White Paper
Catalogs - Protecta*Lite Line Surge Arresters
ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.
Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems
Literature - Protecta*Lite
Literature - Protecta*Lite Line Arrester Performance Study
Specifications - 672088M1J2003
Technical Publications - The Evolution of Line Surge Arrester Technology
Video - Hubbell Power Systems Metal Oxide Varistor
Video - Ohio Brass Protecta*Lite® Systems Surge Arresters


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