

## Protecta\*Lite Arrester (42 kV MCOV)

By OHIO BRASS  
Catalog # [682042H1G2001](#)

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.



\*Representative Image

### 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

Insulator Type	Quadri*Sil S250
Type	Line Arresters
UPC	096359494560

### Electrical Ratings

Creep and Leakage Distance	70.7 in (1795.8 mm)
Duty Cycle	54 kV
Frequency Rating	48-62 Hz
MCOV	42 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	170.6 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> <li>• 127.6 kV @ 1.5 kA</li> <li>• 136.1 kV @ 3 kA</li> <li>• 144.4 kV @ 5 kA</li> <li>• 158.6 kV @ 10 kA</li> <li>• 178.4 kV @ 20 kA</li> <li>• 212.3 kV @ 40 kA</li> </ul>
Maximum Switching Surge Protective Level @ 500A	122.4 kV
Pressure Relief Capability-Symmetrical rms (kA)	20

### Certifications and Compliance

Industry Standard(s) IEEE/IEC

### Product Assets

[Case Studies - Performance & Revenue Enhancements Utilizing Line Surge Arresters - White Paper \(CH01070E\)](#)  
[Catalogs - Protecta\\*Lite Line Surge Arresters \(35\) \(CA01130E\)](#)  
[Installation Manuals - Installation Instructions Protecta\\*Lite Arresters - English \(17-5124\)](#)  
[Installation Manuals - Installation Instructions Protecta\\*Lite Arresters - Spanish \(17-5124S\)](#)  
[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 - Protecta\\*Lite \(SF08019E\)](#)  
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)  
[Literature - Protecta\\*Lite Line Arrester Performance Study \(SF01064E\)](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor \(VI01022E0718\)](#)  
[Video - Ohio Brass Protecta\\*Lite® Systems Surge Arresters \(VI01020E0118\)](#)



**A proud member of the Hubbell Family.**