

Protecta\*Lite Arrester (42 kV  
MCOV)

By OHIO BRASS  
Catalog # 602042G1G2002

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    | 602042G1G2002                    |
| Installation Type | Deadend (Insulator Not Included) |
| Type              | Line Arresters                   |

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></ul> |



|   |  |
|---|--|
|   | <ul style="list-style-type: none"><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   |
| Voltage - Line                                  | 69 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 - Protecta\\*Lite](#)
- [Literature - Protecta\\*Lite Line Arrester Performance Study](#)
- [Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
- [Specifications - 602042G1G2002](#)
- [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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