HUBBELL
Power Systems

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.

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	682042H1G2001
Installation Type	Horizontal Post Assembly
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	• 127.6 kV @ 1.5 kA • 136.1 kV @ 3 kA • 144.4 kV @ 5 kA • 158.6 kV @ 10 kA • 178.4 kV @ 20 kA • 212.3 kV @ 40 kA
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
Installation Manuals - Installation Instructions Protecta*Lite Arresters - English
Installation Manuals - Installation Instructions Protecta*Lite Arresters - Spanish
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 - 682042H1G2001
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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