

## MH4 Arrester (355 kV Rated, 12828 mm Creep Distance, AA Hardware)

By OHIO BRASS  
Catalog # [MH4550BM444AA](#)

IEC Station High / Porcelain Housed Surge Arrester



\*Representative Image

### Features

- IEC porcelain Station High class arrester
- IEEE 693 High Performance Qualification
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

### Application

Substation

### General

Color	Gray
Material	Porcelain Housing
Mounting Position	Upright
Type	Station

### Dimensions

Bolt Circle Diameter	254.00 mm
Diameter - Single Bolt Hole(s)	14 mm
Height	4715 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	103.4 in (2627 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	117.6 in (2986 mm)

### Electrical Ratings

Creep and Leakage Distance	505 in (12828 mm)
Duty Cycle	444 kV
Frequency Rating	48-62 Hz
MCOV	355.2 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> <li>• 923 kV @ 1.5 kA</li> <li>• 959 kV @ 3 kA</li> <li>• 992 kV @ 5 kA</li> <li>• 1042 kV @ 10 kA</li> <li>• 1115 kV @ 20 kA</li> <li>• 1228 kV @ 40 kA</li> </ul>

Maximum Switching Surge Protective Level @ 1000A	890 kV
Maximum Switching Surge Protective Level @ 2000A	923 kV
Maximum Switching Surge Protective Level @ 500A	865.0 kV
Minimum Strike	3760.0 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	550 kV
Withstand Voltage - 60 Hz Wet	1176 kV
Withstand Voltage - Lightning Impulse	2036 kV
Withstand Voltage - Switching Impulse	1872 kV

### Conductor Related

Conductor Type	Cu/Al (AWG #4 - 500 MCM)
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### Certifications and Compliance

Industry Standard(s)	IEC
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### Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC \(CA01082E\\_Catalog 30\\_0923\\_web\)](#)  
[Installation Manuals - Porcelain Hollow Core Station Class Arrester Installation Instructions \(17-5092\)](#)  
[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 - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)  
[Sales Drawings - MH4550BM444AA \(for reference only\)](#)



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