

MH4 Arrester (420 kV Rated, 11622 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4420BM420AA](#)

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	Class 4/Station High

Dimensions

Bolt Circle Diameter	254.00 mm
Diameter - Single Bolt Hole(s)	14 mm
Height	4067.3 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	97.0 in (2463 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	110.3 in (2802 mm)

Electrical Ratings

Creep and Leakage Distance	457.6 in (11622 mm)
Duty Cycle	420 kV
Frequency Rating	48-62 Hz
MCOV	336 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> • 866 kV @ 1.5 kA • 900 kV @ 3 kA • 932 kV @ 5 kA • 978 kV @ 10 kA • 1047 kV @ 20 kA • 1153 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	836 kV
Maximum Switching Surge Protective Level @ 2000A	866 kV
Maximum Switching Surge Protective Level @ 500A	812.0 kV
Minimum Strike	3297.0 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	420 kV
Withstand Voltage - 60 Hz Wet	1035 kV
Withstand Voltage - Lightning Impulse	1809 kV
Withstand Voltage - Switching Impulse	1596 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 - MH4420BM420AA \(for reference only\)](#)



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