

HUBBELL Power Systems

MH4 Arrester (420 kV Rated, 12161 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4550BM420AA](#)

IEC Station High / Porcelain Housed Surge Arrester



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

General

Application	Substation
Color	Brown Housing
Material	Porcelain Housing
Mounting Position	Upright
Type	Station

Dimensions

Bolt Circle Diameter	254 mm
Diameter - Single Bolt Hole(s)	14 mm
Height	4549.9 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to	97.8 in (2485 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	111.3 in (2826 mm)

Electrical Ratings

Creep and Leakage Distance	478.8 in (12161 mm)
Duty Cycle	420 kV
Frequency Rating	48-62 Hz
MCOV	336 kV
Maximum Discharge Voltage	873 kV @ 1.5 kA
	908 kV @ 3 kA
	939 kV @ 5 kA
	986 kV @ 10 kA
	1056 kV @ 20 kA
	1162 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	843 kV
Maximum Switching Surge Protective Level @ 2000A	873 kV
Maximum Switching Surge Protective Level @ 500A	819 kV
Minimum Strike	3588 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	550 kV
Withstand Voltage - 60 Hz Wet	1094 kV
Withstand Voltage - Lightning Impulse	1968 kV
Withstand Voltage - Switching Impulse	1806 kV

Conductor Related

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

Industry Standard(s)

IEC

Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC](#)

[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](#)

[Video - Hubbell Power Systems Metal Oxide Varistor](#)



A Hubbell brand

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