

MH4 Arrester (48 kV Rated, 1116 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4052GM048AA](#)

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	805.6 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	9.4 in (240 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	11.4 in (289 mm)

Electrical Ratings

Creep and Leakage Distance	43.9 in (1116 mm)
Duty Cycle	48 kV
Frequency Rating	48-62 Hz
MCOV	38.4 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> • 101 kV @ 1.5 kA • 104 kV @ 3 kA • 108 kV @ 5 kA • 113 kV @ 10 kA • 121 kV @ 20 kA • 134 kV @ 40 kA

Maximum Switching Surge Protective Level @ 1000A	97 kV
Maximum Switching Surge Protective Level @ 2000A	101 kV
Maximum Switching Surge Protective Level @ 500A	94.0 kV
Minimum Strike	445.0 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	52 kV
Withstand Voltage - 60 Hz Wet	108 kV
Withstand Voltage - Lightning Impulse	276 kV
Withstand Voltage - Switching Impulse	220 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 \(TD01135E\)](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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