

MH4 Arrester (48 kV Rated, 1905 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4052BH048AA](#)

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 | 968.5 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 | 75 in (1905 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 | 616.0 mm |
| Pressure Relief Capability-Symmetrical rms (kA) | 63 |
| Voltage - Line | 52 kV |
| Withstand Voltage - 60 Hz Wet | 159 kV |
| Withstand Voltage - Lightning Impulse | 360 kV |
| Withstand Voltage - Switching Impulse | 300 kV |

Conductor Related

| | |
|----------------|--------------------------|
| Conductor Type | Cu/Al (AWG #4 - 500 MCM) |
|----------------|--------------------------|

Certifications and Compliance

| | |
|----------------------|-----|
| Industry Standard(s) | IEC |
|----------------------|-----|

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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