

HUBBELL Power Systems

MH4 Arrester (198 kV Rated, 6414 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4245BH198AA](#)

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
UPC	096359687986

Dimensions

Bolt Circle Diameter	254 mm
Diameter - Single Bolt Hole(s)	14 mm
Height	2429 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to	45.1 in (1145 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	51.7 in (1312 mm)

Electrical Ratings

Creep and Leakage Distance	252.5 in (6414 mm)
Duty Cycle	198 kV
Frequency Rating	48-62 Hz
MCOV	158.4 kV
Maximum Discharge Voltage	412 kV @ 1.5 kA
	428 kV @ 3 kA
	443 kV @ 5 kA
	465 kV @ 10 kA
	498 kV @ 20 kA
	548 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	398 kV
Maximum Switching Surge Protective Level @ 2000A	412 kV
Maximum Switching Surge Protective Level @ 500A	386 kV
Minimum Strike	1880 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	245 kV
Withstand Voltage - 60 Hz Wet	588 kV
Withstand Voltage - Lightning Impulse	1018 kV
Withstand Voltage - Switching Impulse	936 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](#)

[Sales Drawings - MH4245BH198AA \(for reference only\)](#)

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



A Hubbell brand

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