

MH4 Arrester (240 kV Rated, 6414 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4300GM240AA](#)

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

Application

Substation

General

Catalog Number	MH4300GM240AA
Color	Gray Housing
Material	Porcelain Housing
Mounting Position	Upright
Type	Station

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	55.1 in (1400 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	63 in (1599 mm)

Electrical Ratings

Creep and Leakage Distance	252.5 in (6414 mm)
Duty Cycle	240 kV
Frequency Rating	48-62 Hz
MCOV	192 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 500 kV @ 1.5 kA• 519 kV @ 3 kA• 537 kV @ 5 kA

- 564 kV @ 10 kA
- 604 kV @ 20 kA
- 665 kV @ 40 kA

Maximum Switching Surge Protective Level @ 1000A	482 kV
Maximum Switching Surge Protective Level @ 2000A	500 kV
Maximum Switching Surge Protective Level @ 500A	469 kV
Minimum Strike	1880 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	300 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
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Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC](#)
[Installation Manuals - Porcelain Hollow Core Station Class Arrester Installation Instructions](#)
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
[Sales Drawings - MH4300GM240AA \(for reference only\)](#)
[Specifications - Specification for Hollow Core IEC Station Class Arresters](#)
[Specifications - MH4300GM240AA](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)