

MH4 Arrester (330 kV Rated, 8954 mm Creep Distance, AA Hardware)

By OHIO BRASS
Catalog # [MH4420GM330AA](#)

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	MH4420GM330AA
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	3406.9 mm
Minimum Mounting Spacing on Center (Sea Level) - Phase to	76.5 in (1942 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	87.1 in (2213 mm)

Electrical Ratings

Creep and Leakage Distance	352.5 in (8954 mm)
Duty Cycle	330 kV
Frequency Rating	48-62 Hz
MCOV	264 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 686 kV @ 1.5 kA• 713 kV @ 3 kA• 738 kV @ 5 kA



- 775 kV @ 10 kA
- 830 kV @ 20 kA
- 913 kV @ 40 kA

Maximum Switching Surge Protective Level @ 1000A	662 kV
Maximum Switching Surge Protective Level @ 2000A	686 kV
Maximum Switching Surge Protective Level @ 500A	644 kV
Minimum Strike	2648 mm
Pressure Relief Capability-Symmetrical rms (kA)	63
Voltage - Line	420 kV
Withstand Voltage - 60 Hz Wet	800 kV
Withstand Voltage - Lightning	1459 kV
Impulse	
Withstand Voltage - Switching	1338 kV
Impulse	

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 - MH4420GM330AA \(for reference only\)](#)
[Specifications - MH4420GM330AA](#)
[Specifications - Specification for Hollow Core IEC Station Class Arresters](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)