

Introducing a New Concept...

Ultra-Fast Surge Arrester (UFSA)

for mitigating the effects of a HEMP event

Product Information

Phoenix Electric Corp's Ultra-Fast Surge Arrester is designed to protect medium voltage equipment from a High-Altitude ElectroMagnetic Pulse (HEMP) event. HEMP is initiated by a nuclear detonation in the upper atmosphere or a terrorist attack via an Intentional Electromagnetic Interference (IEMI) event, resulting in damaged equipment which could take weeks or months to repair.

KEY FEATURES AND BENEFITS

- /// Voltage class: 15kV
- /// Works in tandem with an intermediate class lightning arrester, but is 1,000 times faster!
- /// Protects medium voltage equipment including transformers, switchgear, and insulators.
- /// Shunts more than 97% of the induced current surge to ground.
- /// Tested in accordance with MIL-STD188-125 requirements.
- /// American designed and American made
- /// In cooperation with Advanced Fusion Systems, CT.

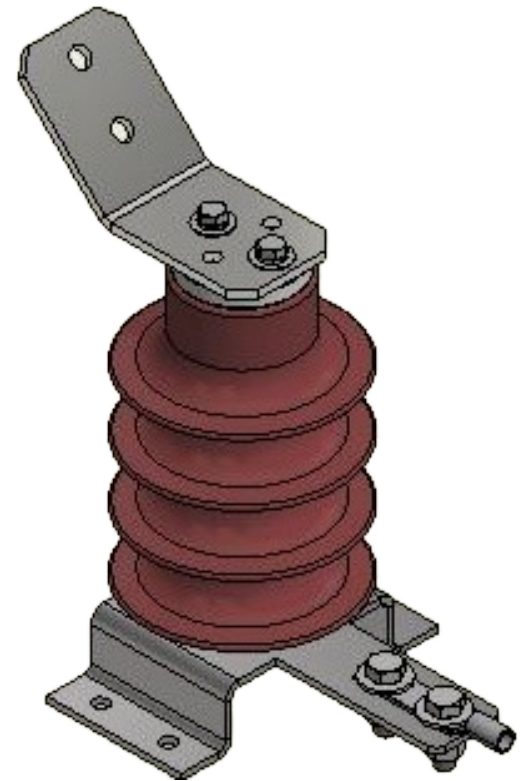


Fig. 1 - ISO View



"Our goal is to help you protect your Power System against a potential harmful HEMP event."

STEPHEN SIMO

Senior Vice President of
Business Development

Ultra-Fast Surge Arrester (UFSA)

Designed to shunt the induced current of an E1 HEMP event

RATINGS

Parameter	Value
Voltage Class	15KV
MCOV	12.7KV
Nominal (Standby) Current	<30uA
Operating Time @ Trigger Level	<10nS
Short Circuit (Shunt) Current Rating	2500A
BIL	110KV
Max Terminal Load	100 LBS
Weight of Assembly	12 LBS

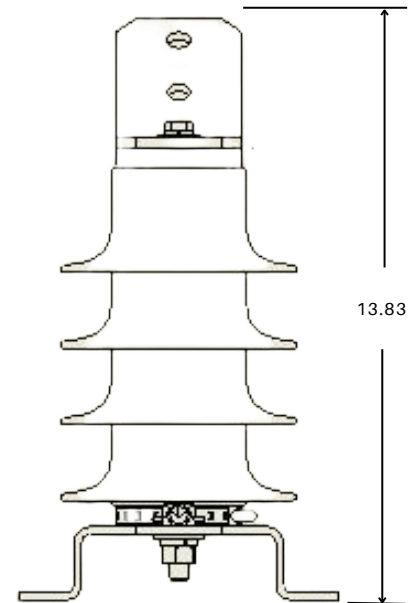


Fig. 2 - Side View

PRODUCT INFORMATION

Outdoor and indoor use

24/7 Sentinel protection

Keeps power systems functional and reliable

Self Reset

Maintenance free

Factory will advise technical applications

Engineering and instructions available by PEC

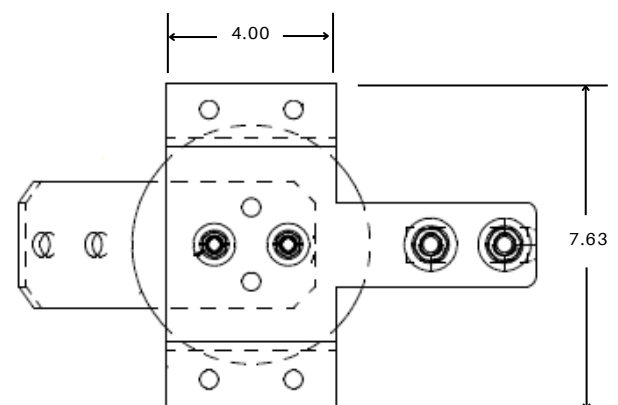


Fig. 3 - Bottom View