



MPS ServiceNet

About MPS Technical References Customer Service Distributor Locator Rep Locator Industry Links News Contact Us

Login

- enter email -
- enter password -

Search

Cross Reference

Keyword or Part #

Forgot your password?
Need an account?

Online Catalog

MacLean Real-Time Design™

Anchors - Utility

Arresters

Conductor Hardware

Cutouts

Fiberglass - Utility

Safety Products

Transmission Insulators

Distribution Insulators

Substation Insulators

Pole Line Hardware A-E

Pole Line Hardware F-Z

Industry Links

Buy America

Also of Interest

Conductor Hardware

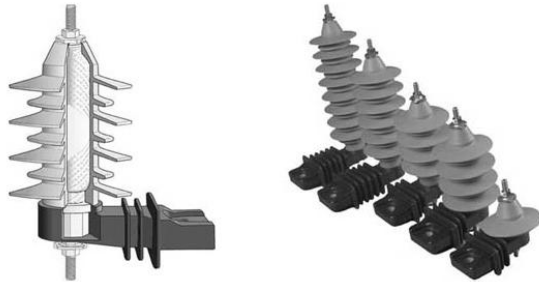
Safety Products

Anchors - Utility

Arresters >> Distribution Arresters

Zforce ZNP Arresters

[Print This Page](#) [Print PDF Catalog Page\(s\)](#)



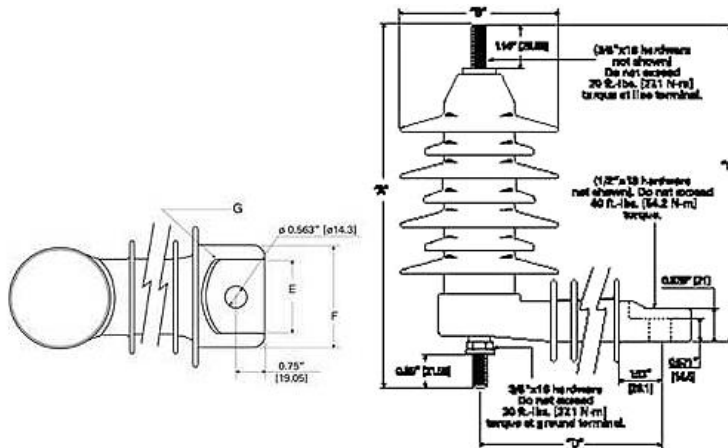
Features:

- Zforce Arresters have mold-on polymer housing for the ultimate seal against moisture ingress
- High strength Fiberglass for high fault-withstand design
- Integrated Ground Lead Disconnnet for fast, reliable operation. Operates in less than 2 seconds at 1 amp and less than 2 cycles at 1,000 amps

Performance:

- The ZNP designs are tested in accordance with the latest ANSI/IEEE standards for metal oxide arresters. (patent no. 5,923,518)
- 1. High Current - Sort Duration 65kA
- 2. Low Current - Lon Duration 150 amps
- 3. Nominal discharge class per IEC 5kA
- 4. Duty Cycle - 10kA
- 5. Line Discharge Class per IEC: Class 1
- 6. Fault Withstand Capability: 20kA rms-sym
- 7. REA Listed

See [EZ Ordering Information](#) Link for catalog number assistance.



English Metric

ZNP Protective Characteristics

Catalog Number	Voltage Rating (Ur) (kV rms)	MCOV (Uc) (kVrms)	Equivalent F.O.W. kV (Crest)	Switching Surge kV (crest)	Discharge Voltage (1.5kA)	Discharge Voltage (2.5kA)	Discharge Voltage (3kA)	Discharge Voltage (5kA)	Discharge Voltage (10kA)	Discharge Voltage (20kA)	Discharge Voltage (40kA)
ZNP009	9	7.65	29.9	23.7	25.4	26.2	26.6	28.2	30.5	33.8	39.9
ZNP010	10	8.4	32.9	26.3	28.1	29.2	29.6	31.3	33.9	37.4	43.9
ZNP018	18	15.3	59.7	47.4	50.7	52.3	53.1	56.4	61.0	67.5	79.7

Notes:

1. Reduce creepage by 1.45 inches (36.8mm) when ordering without insulating bracket.
2. Weight does not include metal mounting hardware
3. MCOV = Maximum Continuous Operating Voltage that may be applied continuously between the terminal of the arrester.
4. The equivalent Front-of-Wave is the maximum discharge voltage for a 5kA impulse current wave

which produces a voltage wave cresting in 0.5 μ s. 5. Based on switching surge current impulse of 45x90 μ s, 500 amperes.

ZNP Physical Data													
Catalog Number	Voltage Rating (Ur) (kV rms)	Creepage (in)	Strike (in)	A (in)	B (in)	C (in)	Diameter (in)	Weight Lbs (kg)	Bracket Creepage (in)	Ins Bracket No. Skirts	E (in)	F (in)	G (in)
ZNP009-0000000	9	15.04	7.69	8.83	4.00	7.71	3.93	2.9	4.60	3	1.88	2.70	1.31
ZNP010-0000000	10	17.41	8.00	9.14	4.00	8.02	3.93	3.0	4.60	3	1.88	2.70	1.31
ZNP018-0000000	18	26.59	11.23	12.23	4.00	11.16	5.43	4.8	9.16	6	2.13	2.95	1.66



ISO Certification
©2018 MacLean Power Systems

[About MPS](#) | [Customer Service](#) | [Industry Links](#) | [News](#) | [Careers](#) | [Contact Us](#)
[Privacy Policy](#) | [Conflict Minerals Policy](#) | [Customer Terms](#) | [Supplier Terms](#) | [Site Map](#)



Web site design and web site development by [Americaneagle.com](#)