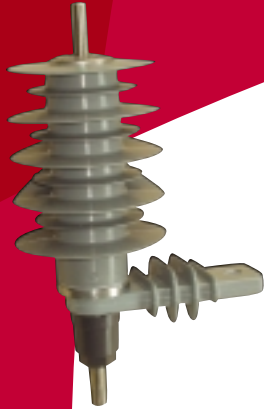




VARISIL™ HE

Heavy Duty Distribution Class Surge Arresters



Overvoltage protection is of key importance for utilities to improve their networks' quality and reliability.

Appropriate surge protection increases the quality of power supply and minimizes system outage costs.

THE RIGHT SURGE ARRESTER AT THE RIGHT PLACE!

Our VARISIL™ HE is of polymer housed gapless metal oxide type dedicated to overvoltage protection of distribution networks.

The metal oxide blocks are mechanically bounded in a fiberglass reinforced epoxy resin, encapsulated in a silicone rubber housing providing outstanding insulation performance and low losses.

VARISIL™ HE surge arrester fulfils all requirements of the ANSI /IEEE C 62.11 and IEC 60099-4 latest editions.

Customer benefits

- Increased lifetime
- Maintenance free
- Public safety
- Restrained discharge voltage
- Long leakage distance
- Silicone rubber housing



VARISIL™ HE

VARISIL™ HE HEAVY DUTY - DISTRIBUTION CLASS

Application

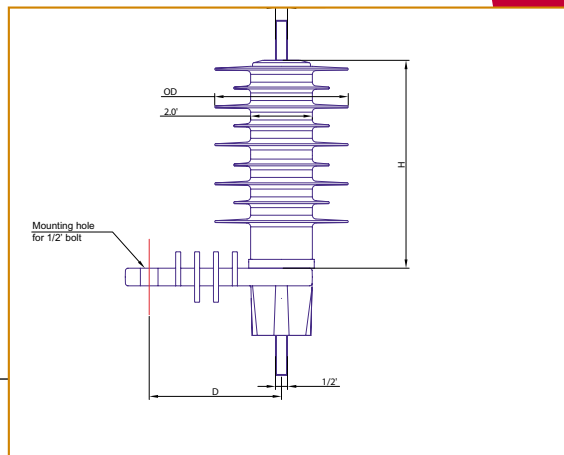
VARISIL™ HE Surge Arresters are suitable to all common layouts: pole mounting, transformer mounting, riser pole and indoor switchgear.

Terminal Hardware

VARISIL™ HE Surge Arresters are supplied with all necessary nuts, washers and wire clamps. Specific hardware are available on request.

OPTIONAL ACCESSORIES

- Insulated hanger
- Ground lead isolator
- Wild life protector
- NEMA type mounting brackets
- Connecting leads



Surge arrester with insulated hanger & ground lead isolator

>> Duty-cycle Voltage	5kV to 36kV
>> Lightning Impulse Classifying Current	10kA crest
>> High-current, short-duration	100kA crest
>> Leakage distance	Min 31mm / kV rating
>> Low-current, long-duration	300A
>> Fault current withstand	20kA / 10 cycles

>> MODEL	Unit	HE 05	HE 06	HE 09	HE 10	HE 12	HE 15	HE 18	HE 21	HE 24	HE 27	HE 30	HE 33	HE 36	
Electrical characteristics															
>> Arrester Rating	kV rms	5	6	9	10	12	15	18	21	24	27	30	33	36	
>> MCOV	kV rms	4.25	5.1	7.65	8.4	10.2	12.7	15.3	17.5	20	22.5	25	27.5	30	
>> Maximum Discharge Voltage	kV crest														
- at 1.5kA 8/20µs Current Wave		12.8	13.8	23.6	24.6	27.6	36.4	41.2	50.1	54.7	64.5	68.1	78.0	81.9	
- at 3kA 8/20µs Current Wave		13.6	14.7	25.1	26.2	29.4	38.8	43.9	53.4	58.3	68.7	72.6	83.1	87.3	
- at 5kA 8/20µs Current Wave		14.3	15.4	26.4	27.5	30.8	40.7	46.2	56.1	61.2	72.2	76.2	87.2	91.7	
- at 10kA 8/20µs Current Wave		15.2	16.4	28.1	29.3	32.8	43.3	49.1	59.7	65.1	76.8	81.1	92.8	97.5	
- at 20kA 8/20µs Current Wave		16.8	18.1	31.1	32.4	36.2	47.8	54.3	66.0	71.9	84.9	89.6	102.5	107.7	
- at 40kA 8/20µs Current Wave		19.1	20.6	35.3	36.8	41.2	54.3	61.6	74.9	81.7	96.4	101.8	116.5	122.4	
>> Maximum Discharge Voltage at 500A 45/90µs Current Wave	kV crest	12.1	13.0	22.3	23.3	26.1	34.4	39.0	47.5	51.8	61.1	64.5	73.8	77.5	
>> Front-of-Wave Protective Level	kV crest	17.1	18.5	31.6	33.0	36.9	48.7	55.2	67.2	73.2	86.4	91.2	104.4	109.7	
>> Housing Insulation Withstand 1.2/50µs impulse	kV crest	95			110			125			170				
>> Leakage Distance	in.	18.9			25.6			31.5			47.2				
>> Strike Distance	in.	7.7			9.0			10.6			14.0				
Mounting clearances & dimensions															
>> Phase-to-phase	in.	2.0	2.2	3.7	3.8	4.3	5.7	6.4	7.9	8.6	10.2	10.7	10.3	13.0	
>> Phase-to-ground	in.	1.9	2.0	3.4	3.5	4.0	5.2	5.9	7.2	7.9	9.2	9.7	11.2	11.7	
>> Dimensions	in.														
- D		4.1			6.9										
- H		6.5			8.1		9.7		12.8						
- OD		4.2			4.4			4.6							

For other ratings or technical details, please contact us.

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