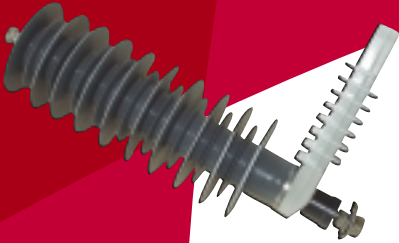




VARISIL™ HE

Distribution 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 IEC 60099-4 (class 1) and ANSI /IEEE C 62.11 (Distribution Heavy Duty) latest editions.

Customer benefits

- Continuity of service
- Equipment and public safety
- Improved power quality
- Maintenance-free
- Increased lifetime
- Restrained residual voltage



VARISIL™ HE

The VARISIL™ HE is available with different options and accessories.

NO OPTION

The surge arrester is supplied with bolts, washers and clamp for connection.

SD OPTION

The surge arrester is supplied with a disconnector and an insulating bracket. This option is recommended for improved continuity of service.

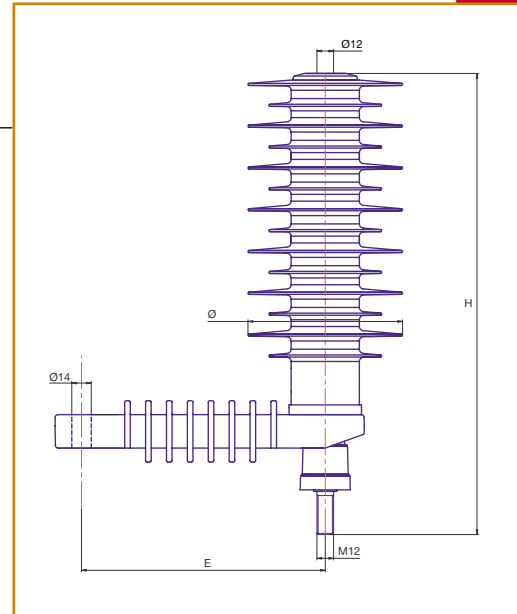
IF OPTION

The surge arrester is supplied with an electronic fault indicator using a red flag for easy visualization.

ACCESSORIES

- Metal bracket for horizontal or vertical mounting
- Ground lead
- Pedestal (insulated or not)

SD option



>> Rated Voltage Ur	5 to 42kV rms
>> Nominal discharge current In	10kA with 8/20 waveshape
>> Line discharge class	1
>> High current impulse withstand	100kA with 4/10 waveshape
>> Long duration current impulse withstand	300A with 2000µs waveshape
>> Energy absorption capability (with 4/10 waveshape)	4.8kJ/kV of Uc
>> Maximum permissible static service load	10daN.m
>> Short circuit current withstand	20kA / 0.2s 600A / 1s

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	HE 39	HE 42
>> Rated voltage Ur	kV rms	5	6	9	10	12	15	18	21	24	27	30	33	36	39	42
>> Continuous operating voltage Uc	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	31.2	33.6
>> Maximum residual voltage	kV peak															
- at 5kA 8/20		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	98.8	101.6
- at 10kA 8/20		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	105.1	108.1
- at 20kA 8/20		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	116.1	119.5
>> Switching residual voltage at 500A - 30/80	kV peak	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	83.6	85.9
>> Steep current impulse residual voltage at 10kA - 1/2.5	kV peak	16.4	17.7	30.3	31.6	35.4	46.8	53.0	64.5	70.3	82.9	87.6	100.2	105.3	113.5	116.7
>> Lightning impulse withstand level of the housing	kV 1.2/50			95			110		125				170			
>> Creepage distance	mm			480			650		800				1200			
>> Dimensions H	mm			245			285		325				405			
Ø	mm			105			110						115			
E	mm			105								175				
>> Weight - SD option	kg	1.2	1.2	1.4	1.4	1.5	2.0	2.1	2.5	2.6	3.0	3.1	3.3	3.4	3.6	3.6

For other ratings or technical details, please contact us.

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