

## DISTRIBUTION SURGE ARRESTORS

### VARISIL™ HE



#### Customer Benefits:

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

#### General Data:

##### Properties:

- Overvoltage Protection is of** Key importance for utilities to improve their works quality and reliability
- Appropriate Surge Protection** Increases the quality of power supply and minimises system outage costs

##### Material

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

- The metal oxide varister blocks are manufactured by our-selves using our own formulas and processes.
- These blocks are mechanically bonded in a fibreglass reinforced epoxy resin, encapsulated in a silicone rubber housing providing outstanding insulator performance and low losses.
- Our VARISAL™ HE surge arrester fulfils all requirements of IEC 60099-4 (10 kA / Line Discharge Class 1)

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#### Technical Data:



#### VARISAL™ HE:

**No Option** The surge arrester is supplied with bolts, washers and clamp for connection

**S3D2 Option** The surge arrester is supplied with a ground lead disconnecter and a 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)

#### Technical Data:

**Rated Voltage (Ur)** 5 to 56 kV rms

**Nominal Discharge Current (In)** 10 kA with 8/20 waveshape

**Line Discharge Class** 1

**High Current Impulse Withstand** 100 kA with 4/10 waveshape

**Long Duration Current Impulse**

**Withstand** 300 A with 2000  $\mu$ s waveshape

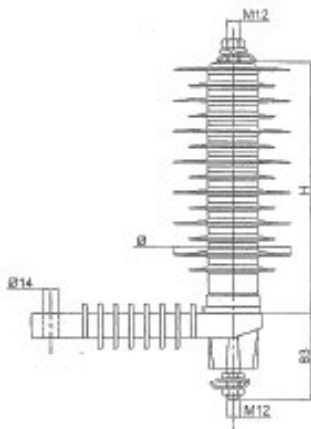
**Energy Absorption Capability**

(with 4/10 waveshape) 4.8 kJ/kV of  $U_c$

**Maximum Permissible Static** 10 daN.m (for higher mechanical

**Service Load** performance, refer to our HE-S or HI products)

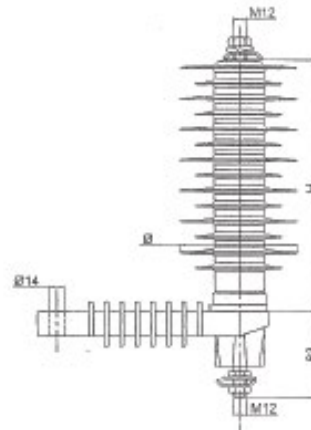
**Short Circuit Current Withstand** 20 A / 0.2s - 600 A / 1s



S3D2 option

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S3D2 option

### Product Information:

Model	Units	HE06	HE12	HE24	HE36
Rated Voltage (Ur)	kV ms	6	12	24	36
Continuous Operating Voltage Uc	kV ms	5.1	10.2	20.0	30.0
Maximum Residual Voltage	kV peak				
- at 5 kA 8/20		15.4	30.8	61.2	91.7
- at 10 kA 8/20		16.4	32.8	65.1	97.5
- at 20 kA 8/20		18.1	36.2	71.9	107.5
Switching Residual Voltage at 500 A - 30/80	kV peak	13.0	26.1	51.8	77.5
Steep Current Impulse Residual Voltage at 10 kA - 1/2.5	kV peak	17.7	35.4	70.3	105.3
Lightning Impulse Withstand Level of Housing	kV 1.2/50	95	95	125	170
Creepage Distance	mm	480	480	800	1200
Dimensions H	mm	165	165	245	325
∅	mm	104	104	109	114
Weight (S3D2 option)	kg	1.3	1.6	2.6	3.5

## Complete your Project:

Please select the items you require and we will be in touch

### Cables and Wires:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Lighting:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Transformers (Distribution):

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Accessories:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Specific Information:

Address: 4 Branch Road, Germiston 1401, P.O. Box 678, Germiston 1400

## For more Information on this Product Please Send us the Following

### Product Information:

Product Name:

Quantity:

Project Name:

Date the Product is required:

### Your Contact Information:

Name and Surname:

Company:

Email:

Phone Number:

Province:

## Thank You

### For having a Look at this Product

Please send this PDF back to us with all your Information

Scan the QR Code to visit our Website:

