

## VS-24-I Indoor Voltage Sensor

VS-24-I is an active 24kV voltage sensor for indoor use suitable for installation in air insulated switchgears or similar applications. It can be applied for both measurement and protection applications and there are options available for high accuracy voltage and high frequency measurement. VS-24-I sensor can be also installed as standalone units. Post insulator design allows usage for retrofitting and replacing conventional instrument transformers.

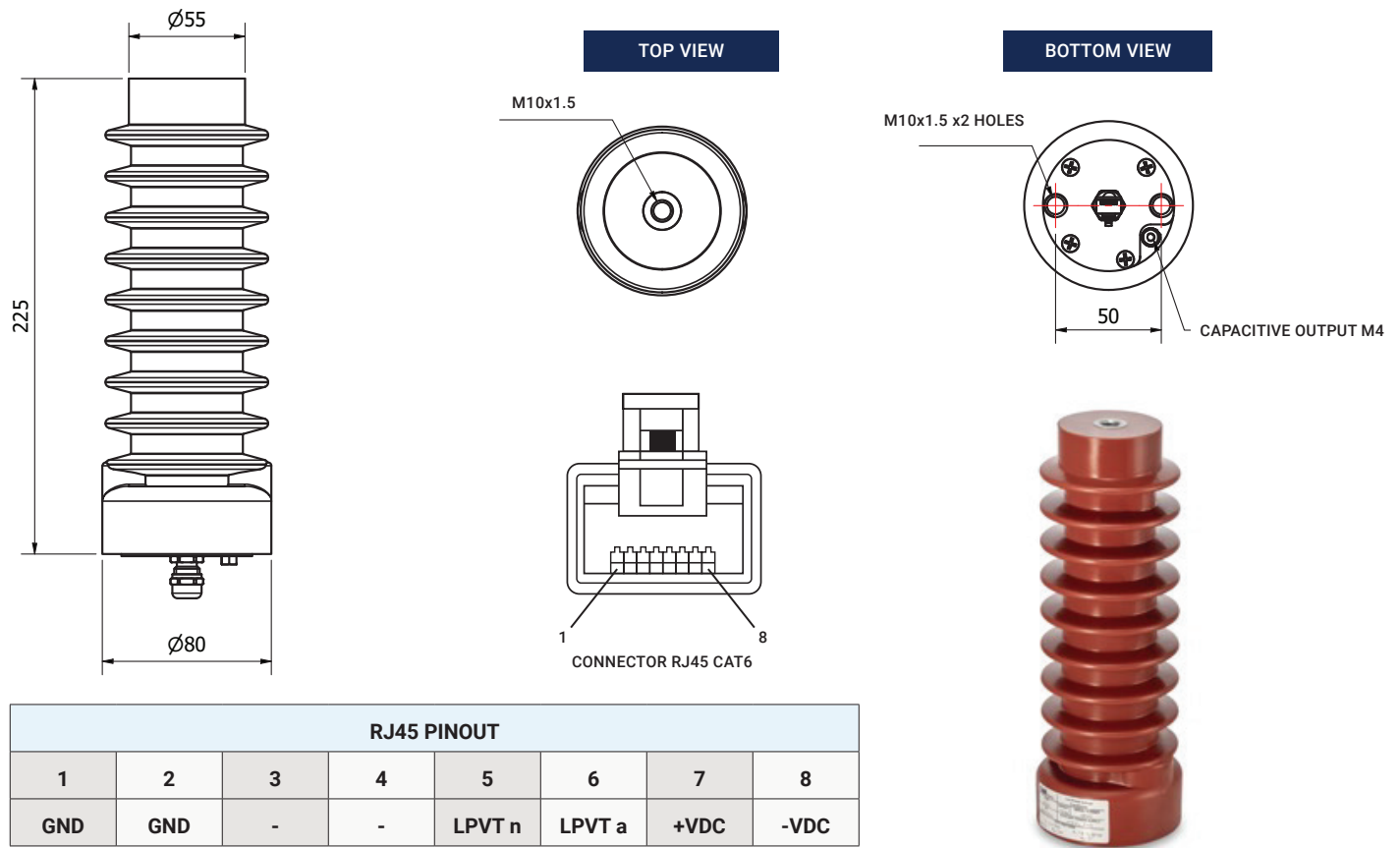
### TECHNICAL PARAMETERS

Rated insulation level	24/50/125 kV
Accuracy class *	Protection   3P
	Measurement   0.5
Rated primary voltage, $U_{pn}$ *	$20/\sqrt{3}$ kV
Maximum voltage, $U_m$	24 kV
Rated secondary voltage, $U_{sn}$ *	1 V
Rated voltage factor, $K_u$	1.9 for 8h
Nominal frequency	50 / 60 Hz
Nominal transformation ratio, $K_n$ *	$20/\sqrt{3}$ kV / 1 V
Supply voltage	$\pm 12$ Vdc
Max. Supply Current	15 mA
Creepage distance	375 mm
Primary terminal capacity	1 pF
Weight	1.6 kg
Temperature range	- 5 °C, 40 °C
Applicable Standards	IEC 60044-7, IEC 60660
Bandwidth (-1 dB)	30 Hz – 20 kHz, 1 MHz for HF version
Accuracy on harmonics	According to IEC 60044-8



\* marks parameters customized upon request.

# VS-24-I Drawing



RJ45 PINOUT							
1	2	3	4	5	6	7	8
GND	GND	-	-	LPVT n	LPVT a	+VDC	-VDC

All linear dimensions are in millimeters.

## For more information

please, visit our website: [www.gwelectric.com/products/high-accuracy-sensors/](http://www.gwelectric.com/products/high-accuracy-sensors/)



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