

● Current & Potential Transformers CT & VT

Indoor Voltage Transformers up to 36kV

Medium Voltage Indoor Voltage Transformers are cast in epoxy resin and designed for insulation up to 36kV.

Features

Comprehensive range of indoor voltage transformers for metering and special protection:

Compliance with IEC 61869-1&3 standard
Phase to Earth and Phase to Phase Connection
Reference voltage for isolation up to 36kV

Optimized design and performances

Standard shape
Optimized dimensions and weight

Suitable for use in all type of MV cubicle and in harsh environments:

Metal clad units
Metal enclosed units



Technical Description:

Rated Voltage: 3.6 kV to 36 kV
Basic Insulation Level: As per relevant standard
Insulation: Class E
Rated Frequency: 50/60 Hz
Rated Primary Voltage: Up to 36 kV / RT3
Rated Secondary Voltage: 110 V / RT3
Class of Accuracy: 0.2, 0.5, 1.0, 3P, 6P
Rated Burden: Up to 200 VA
Over Voltage Factor: 1.2 continuous & 1.9 for 8 hrs.



Address: Kemet Industrial Complex, Ismailia Desert Road, Egypt

Website: www.knt-energy.com

Specifications for MV voltage transformers

Rated primary voltage	11000/ $\sqrt{3}$ - 22000/ $\sqrt{3}$
Rated Insulation level	12/28/75 - 24/50/125 Kv
Rated secondary voltage winding 1	110/ $\sqrt{3}$
Rated secondary voltage winding 2	110/3
Rated short time withstand voltage for secondary winding	3 Kv – 1 min
Rated burden winding 1	100 VA
Rated burden winding 2	100 VA
Accuracy class winding 1	0.5
Accuracy class winding 1	3P
Rated frequency	50/60 HZ
Creepage distance	≥ 2 Cm/Kv
Minimum ambient temperature	-5°C
Maximum ambient temperature	45°C (50°C as option)
Maximum relative humidity	95 %
Maximum altitude	1000 mt

Model Type	Dimension in mm		
	Width	Height	Length
HVS - 12 - A	148	355	220
HVS - 24 - A	355	178	320



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