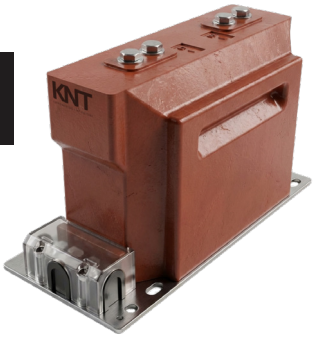
KNT

EMPOWERING THE F

Current & Potential Transformers CT & VT

Indoor Current Transformers up to 36kV

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



Features

Comprehensive range of indoor current transformers for metering, protection and special protection:

Compliance with IEC 61869-1&2 standard
Rated Current rating from 5 to 2500A
Reference voltage for isolation up to 36kV

Optimized design and performances

Standard shape
Optimized dimensions

Suitable for use in all types of MV cubicles and in harsh environments:

Metal clad units
Metal enclosed units
Environments with potentially explosive atmosphere

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 Continuous Thermal Current: 150 % x Ipn
Rated Primary Current (Ipn): Up to 2500 A
Basic Secondary Current (Isn): 5A, 1A.
Class of Accuracy: 0.2S, 0.5S, 0.5, 1.0, 5P10, 5P20, PS
Rated Burden: Up to 30 VA
Rated Short Time Current: Up to 40 kA / 3 second

Address: Kemet Industrial Complex, Ismailia Desert Road, Egypt
Website: www.knt-energy.com

Specifications for MV current transformers

Parameter	12 KV Specification	17.5 KV Specification	24 KV Specification
Rated System Voltage (Ur)	12 kV	17.5	24 kV
Insulation Level	12/28/75kV	17.5/38/95kV	24/50/125 kV
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Primary Current (Ip)	50 A up to 2500 A (*)	50 A up to 2500 A (*)	50 A up to 2500 A (*)
Secondary Current (Is)	1or 5A	1or 5A	1or 5A
No. of secondary circuits	1 or 2 or 3 circuits	1 or 2 or 3 circuits	1 or 2 or 3 circuits
Accuracy Classes secondary (1)	0.2S - 0.5 - 0.5S	0.2S - 0.5 - 0.5S	0.2S - 0.5 - 0.5S
Accuracy Classes secondary (2)	5P10 - 5P20	5P10 - 5P20	5P10 - 5P20
Rated Burden secondary (1)	10 - 15 VA	10 - 15 VA	10 - 15 VA
Rated Burden secondary (2)	20 - 30 VA	20 - 30 VA	20 - 30 VA
Short-Time Thermal Current	31,5 kA/3 s		25 kA/3 s

Model Type	Dimension in mm		
	Width	Height	Length
HAS - 12 - A	147	285	212
HAS - 24 - A	208	350	310