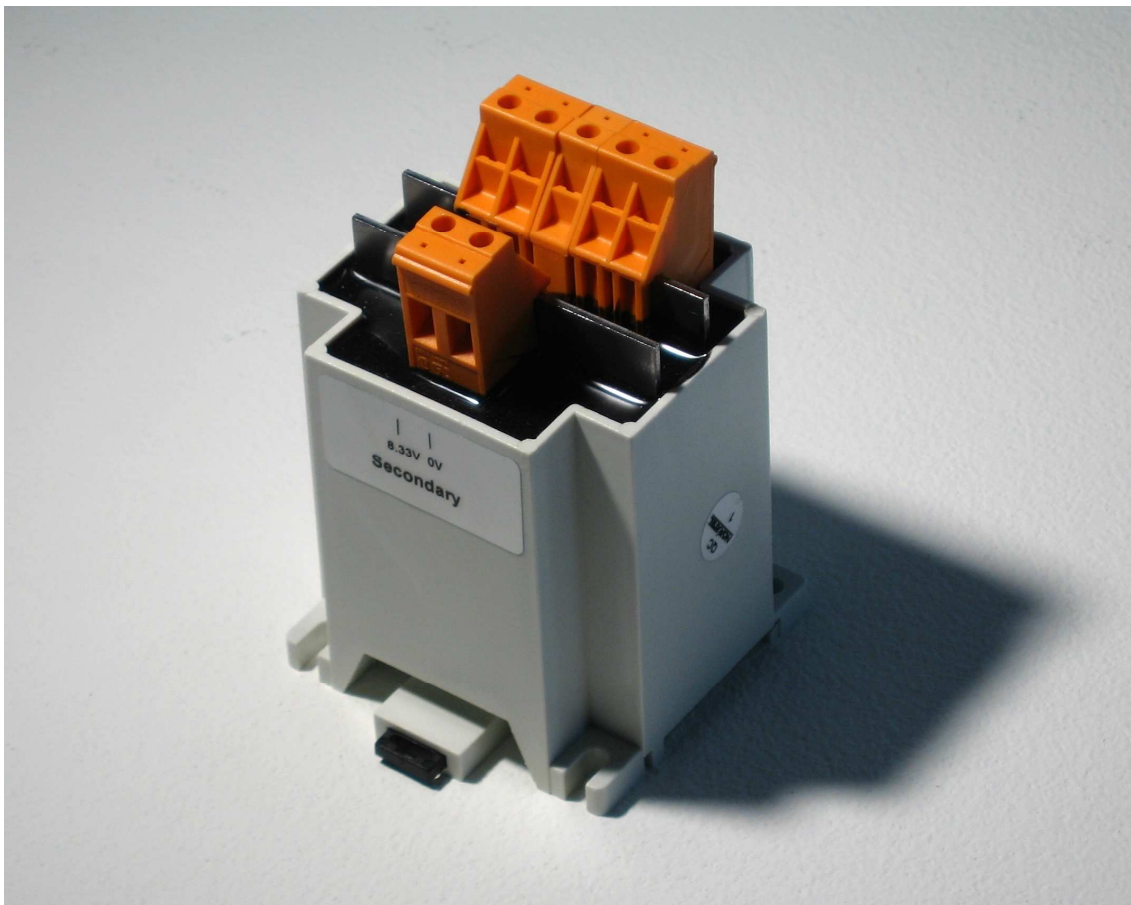


ChorusTRAFO

Voltage transformer description



Hardware description

Main Characteristics

ChorusTRAFO is a high accuracy voltage transformer module with a limited current output. The accuracy is 0.3% within $\pm 10\%$ of the nominal input voltage.

Its primary winding features various taps in order to meet requirements for different input voltages. The 110V input matches the standard output voltage from equipment for high voltage (> 1 kV) measurement.

Placement

The TRAFO module should be placed as close as possible to the measured voltage and preferably separated from the ChorusCPU cabinet.

Mounting

There are two ways of mounting it: normal screw mounting and DIN rail mounting.

Protection

The primary winding is galvanically isolated from the secondary winding in the module.

The transformer should be protected against over-voltage and over-current.

On the secondary side the unit features a built-in over-current protection (PTC).

Technical data

General	Data	Remarks
Product name	ChorusTRAFO	Voltage transformer
Product version	1	
Description	One-phase	Separate winding transformer
Standards	EN61588-2-6	
Accuracy	0.3%	Class 0.3
Isolation class	IP20	
Analog inputs		
Inputs	4 voltages	690V/400V/230V/110V AC and neutral
Max load	30 VA	
Max voltage	690V + 10%	
Max diff. in voltage at class 0.3	$\pm 10\%$	If exceeded, accuracy is reduced
Frequency	47 – 63 Hz	
Analog Output		
Output voltage, max	10V AC	
Output current, max	0.90A	
Over-current protection	Yes	PTC 0.9A
Over-current protection, reaction time	Max 10s	
Mounting		
Housing	Isolated in plastic housing	
Length x Width x Height	70 x 70 x 100 mm	
Weight	0.86 kg	
Mounting method	Screw hole / DIN rail	

Technical specifications are subject to change without notice.

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