



Rymel designs and manufactures the line of low voltage current transformers (CT).

These equipments allow to reduce the high current levels of the network, to low, non dangerous and proportional levels that can be manageable by the measuring equipment or by equipment destined to protection, delivering a current signal of 5 A nominal, with an accuracy and phase shift close to zero.

These low voltage current transformers are manufactured according to the technical standards, NTC 5933, NTC 2205, IEC 61869 and IEEE C57.13, providing an efficient way to safely monitor the electrical current flowing through the network.

Scope of the product: They are designed to be connected to both metering and protection equipment.

Measurement: They are characterized by a safety factor that allows them to saturate with moderate overcurrents, protecting the meter against short-circuit currents.

Protection: Designed to supply relays or protection equipment. They are characterized by maintaining the proportionality and current ratio in overload conditions, ensuring the rapid action of the protection equipment to which it is connected.



WINDOW TYPE LOW VOLTAGE CURRENT TRANSFORMER

GENERAL FEATURES:

- Transformer fixing bracket.
- Nameplate protected with transparent resin.
- Polarity marking on the housing.

For both indoor and outdoor use, you can select one of the following terminal options:

Terminal block: Suitable for connection with copper or aluminum wires and transparent plastic cover with sealable screw for terminal protection.

Cables: Insulated copper with UV protection type THHN.

TECHNICAL SPECIFICATIONS	RATIO	ACCURACY CLASS	BURDEN (VA)	WINDOW DIAMETER (MM)		
USE: Indoor or outdoor	50:5	0.5, 0.5S and 1.	2.5	32		
	100:5		2.5 and 5	32		
	150:5			32		
MAXIMUM OPERATING VOLTAGE: 0.72 kV	200:5	0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10	40		
	300:5			55		
	APPLICATION: Measurement or Protection			400:5	55	
500:5				55		
600:5				67		
RATED FREQUENCY: 50 or 60 Hz	800:5			0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10	73
	1000:5					94
	INSULATION LEVEL: 3 kV					1500:5
2000:5						94
2500:5						94
INSULATION THERMAL CLASS: E	3000:5	0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10			94
	4000:5					94

* Consult with your trusted advisor if special technical specifications are required.



LOW VOLTAGE BUSBAR CURRENT TRANSFORMER

GENEERAL FEATURES:

- Transformer fixing bracket.
- Nameplate protected with transparent resin.
- Polarity marking on the housing.

TECHNICAL SPECIFICATIONS	RATIO	ACCURACY CLASS	BURDEN (VA)				
USE: Indoor	50:5	0.5, 0.5S and 1.	2.5				
	100:5		2.5 and 5				
	150:5						
MAXIMUM OPERATING VOLTAGE: 0.72 kV	200:5	0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10				
	300:5						
	APPLICATION: Measurement or Protection			400:5			
500:5							
600:5							
RATED FREQUENCY: 50 or 60 Hz				0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10		
INSULATION LEVEL: 3 kV						0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10
INSULATION THERMAL CLASS: E		0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10				

* Consult with your trusted advisor if special technical specifications are required.



LOW VOLTAGE SUBMERSIBLE TYPE CURRENT TRANSFORMER

TECHNICAL SPECIFICATIONS
USE: Indoor (submerged)
MAXIMUM OPERATING VOLTAGE: 0.72 kV
APPLICATION: Measurement or Protection
RATED FREQUENCY: 50 or 60 Hz
INSULATION LEVEL: 3 kV

RATIO	ACCURACY CLASS	BURDEN (VA)
From 50:5 up to 4.000:5	0.5,0.5S, 1.5P20, 10P10	2.5 to 20

These transformers are designed according to the customer's specific requirements.



LOW VOLTAGE CURRENT TRANSFORMER FOR MEASUREMENT AND PROTECTION

TECHNICAL SPECIFICATIONS
USE: Indoor or outdoor
MAXIMUM OPERATING VOLTAGE: 0.72 kV
APPLICATION: Measurement or Protection
RATED FREQUENCY: 50 or 60 Hz
INSULATION LEVEL: 3 kV
INSULATION THERMAL CLASS: E

RATIO	ACCURACY CLASS	BURDEN (VA)
From 1500:5 Up to 4000:5	0.5,0.5S, 1.5P20, 10P10	2.5 to 20

* Consult with your trusted advisor if special technical specifications are required.

TEST TRIALS

"All low voltage current transformers transformers are subjected to the following routine tests according to NTC 5933, NTC 2205, IEC 61869 and IEEE C57.13 standards. NTC 5933, NTC 2205, IEC 61869 and IEEE C57.13."

"Non-disruptive voltage test at industrial frequency on primary terminals. Non-disruptive voltage test at industrial frequency on secondary terminals. Accuracy test. Verification of labeling. Inter-turn overvoltage test."