Rymel

LOW VOLTAGE CURRENT TRANSFORMER

Rymel designs and manufactures low-voltage current transformers (CTs).
These devices reduce high current levels from the power grid to low, safe, and proportional levels that can be managed by measuring or protection equipment. They provide a nominal current signal of 5A with high accuracy and near-zero phase shift.

Technical Standards

Low-voltage current transformers comply with technical standards NTC 5933, NTC 2205, IEC 61869, and IEEE C57.13, offering an efficient and safe way to monitor the electric current of the grid. All low-voltage current transformers undergo routine tests in accordance with these standards, ensuring quality and compliance with the required technical specifications.

Test Procedures

- Non-disruptive voltage test at industrial frequency on primary terminals.
- Non-disruptive voltage test at industrial frequency on secondary terminals.
- Accuracy test.
- Label verification.
- Overvoltage test between windings.

Product Scope

Measurement: Connected to measuring equipment, they saturate under moderate overcurrents, protecting the meter from short-circuit currents.

Protection: They power relays or protection devices, maintaining proportionality and current ratio under overload conditions, ensuring the quick response of connected protection equipment.

LOW VOLTAGE BUSBAR CT

TECHNICAL SPECIFICATIONS
USE: Indoor
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)
50:5	0.5, 0.5S and 1.	2.5
100:5		2.5 and 5
150:5		
200:5	0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10
300:5		
400:5		
500:5		
600:5		

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

GENEREAL FEATURES:

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

LOW VOLTAGE SUBMERSIBLE TYPE CT

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.

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.

WINDOW TYPE LOW VOLTAGE CT

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)	WINDOW DIAMETER (MM)
50:5	0.5, 0.5S and 1.	2.5	32
100:5		2.5 and 5	32
150:5			32
200:5	0.2, 0.2S, 0.5, 0.5S,1, 5P20,10P10.	2.5, 5, 10	40
300:5			55
400:5			55
500:5			55
600:5			67
800:5			73
1000:5			94
1500:5			94
2000:5			94
2500:5			94
3000:5			94
4000:5			94

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

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.