

MT-NCT-SC-600V-2500.5-5A-M1

5-Amp Neutral Current Transformer - 2500:5 Ratio - Solid Core - Single Phase

Product ID: 307189



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-NCT-SC-600V-2500.5-5A-M1 Solid Core Neutral Current Transformer

Type: Solid Core

Phase: Single Phase

Frequency: 60 Hz

Output Current (A): 5

Maximum Voltage: 600 V

Winding Ratio: 2500:5

BIL Voltage: 10 kV

Insulation Class: 600 Volts, 10 kV BIL full wave.

Burden: 5 VA

Operating Temperature: -20°C to +70°C

Relative Humidity: 0-90% (Non-Condensing)

Rated Dynamic Current: 2.55 x I_{ht}

Temperature Rise: 80°C

ANSI Accuracy Relaying Class, At 60 Hz: C20

Bolt Specification: Hex Cross Flange Bolt (M6 L65)

Enclosure Material: Cast Resin

Mounting: Plug-In Metal Feet Compatible with Wall, Base, or Molded Busbar Mounting

Window Size: 6.5" Diameter

Overall Dimensions: 9.75"-W, 9.75"-L, 3.37"-D

Weight: 26 lbs

Approvals/Ratings

IEC/EN60044-1, BS7626 Compliant

Split Core Current Transformer

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The MT-NCT-SC-600V-2500.5-5A-M1 from Larson Electronics is a 600 V Single Phase Solid Core Neutral Current Transformer that allows to use following protecting functions when using 3-pole circuit breaker in WYE connection (3-phase, 4-line Y-line): Overload protection of neutral phase & Residual Earth Fault protection. It's powerful, reliable, and innovatively

designed. The MT-NCT-SC-600V-2500.5-5A-M1 features a 2500:5 winding ratio that allows the current being used on a cable to be measured. This is an ideal solution for measuring and monitoring voltages being used on cables.

Transformer Features: With a 5-amp output current, the MT-NCT-SC-600V-2500.5-5A-M1 is a solid core single phase current transformer with a maximum voltage of 600V. Featuring compact and innovative construction, this unit's cores are manufactured with high-quality silicon steel laminations using state of the art technology.

This unit boasts a split core design that allows for easy hookup. There is no need to break the conductor which makes for a quicker and easier installation. This unit is compatible with wall mounting, base mounting, and molded busbar mounting. The unit also features an operating temperature range of -20°C to +70°C.

Applications: Overload protection of neutral phase & Residual Earth Fault protection.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Frequently Asked Questions (FAQ)