

**BRAND INDIA ENGINEERING
E-CATALOGUE**

Date: 23-02-2025

TRIO TRANSFORMER

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Established in 1994, Trio Transformer based out in Ahmedabad, Gujarat manufactures various ranges of transformers. With an experience of over 3 decades, Trio is now a synonym for precision with quality at economical rates. Our production range includes Control Transformers, Current Transformers, Dry Type Isolation Transformers and Line Chokes. Your search for a reliable partner for power equipment needs ends at Trio.

Products Description

Current Transformer

Technical Details

A current transformer is specially made to provide a current in its secondary that is approximately proportional to the current flowing in its primary. Current Transformer (CT) has a lot of performance specifications which includes primary and secondary current, insulation voltage, VA burden, and accuracy class. The primary current is the measured current, while the secondary current is a high range of current outputs. When CT is connected to a power source, it is called insulated. The accuracy class is the degree of certainty to which the ideal value agrees with the measured current. The maximum load that a device can support is called a burden. It is measured in Volt-Ampere (VA)

ITC HS Codes

850431, 850432,850433

Certification/ Standard

CE

Issuing Agency

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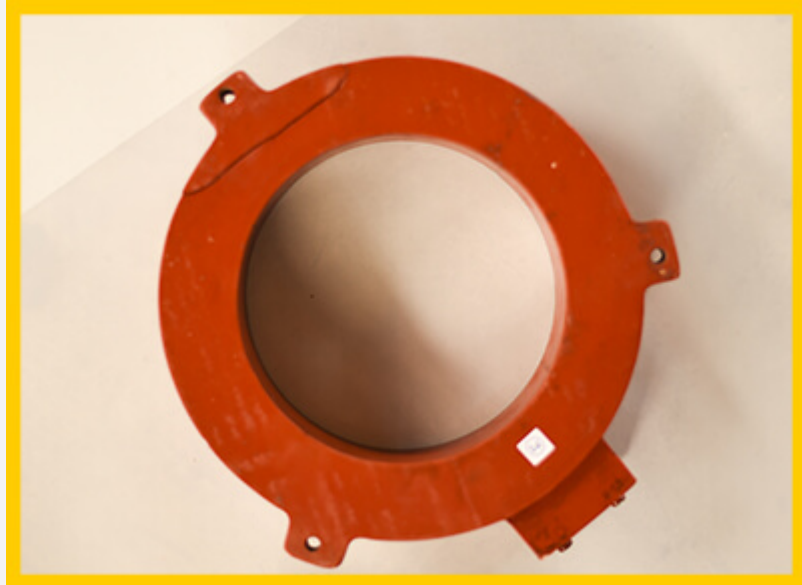
Date of Issue

06-12-2021

Date of Expiry

End Use Sectors

Product Images



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Control Transformer

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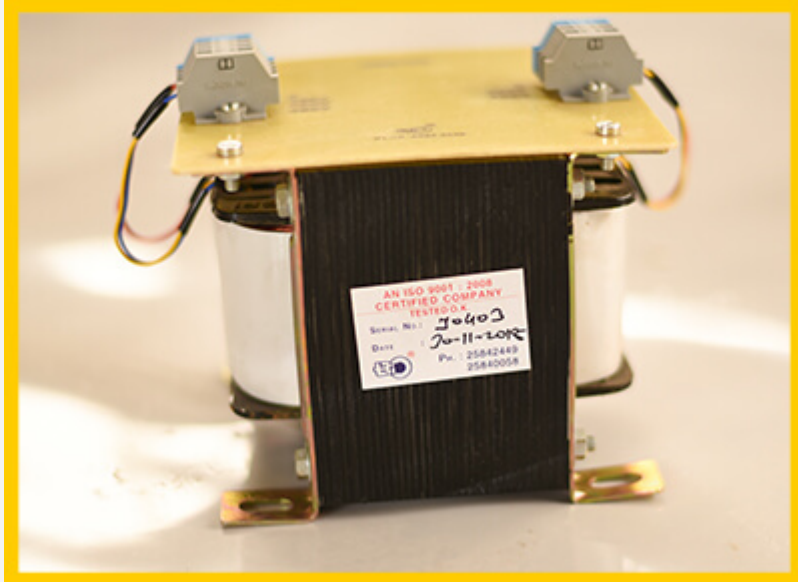
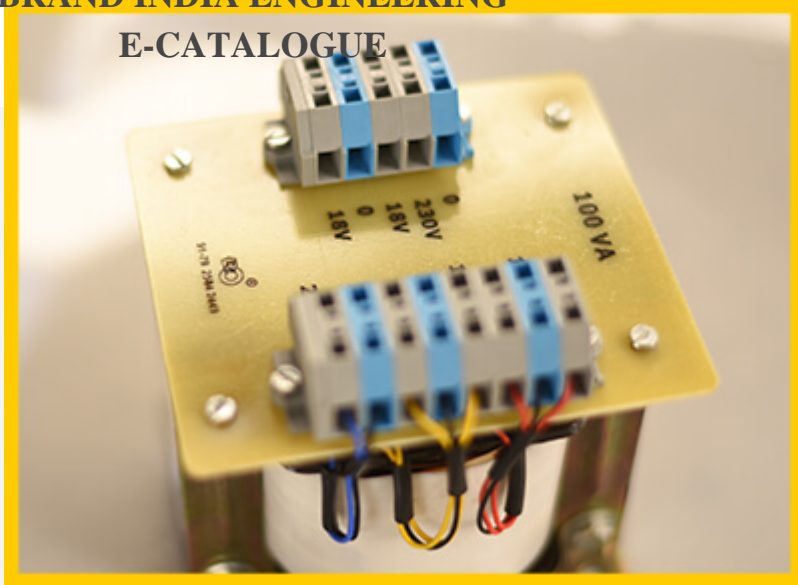
Technical Details

A control transformer is an isolation transformer that provides good voltage regulation, and is also designed to provide a high degree of secondary voltage stability (regulation) during a brief period of overload condition (also referred to as “inrush current”). Control transformers are also known as Machine Tool Transformers, Industrial Control Transformers or Control Power Transformers. Control Transformers are useful where the available voltage must be changed to accommodate the voltage required by the load. For many electrical circuits, the National Electrical Code (NEC) requires a separately derived neutral secondary connection provided by Delta-Wye connected transformers. Transformers are manufactured in a variety of choices to meet many applications. Dry-type transformers are offered encapsulated, ventilated or non-ventilated, 600 Volt Class, isolation type, single and three phase, through 500 kVA. Indoor and outdoor models are an option. General purpose transformers can be located close to the load. No vaults are required for installation and no long, expensive feeder lines are needed. Common applications include inductive and resistive loads such as motors, lighting and heating. Control Transformer Applications Control transformers are available in a variety of primary and secondary voltage combinations from 120/240 primary voltage, 24 secondary voltage at 50/60Hz through 480 primary voltage, 240 secondary voltage at 50/60Hz up to 5000 VA rating.

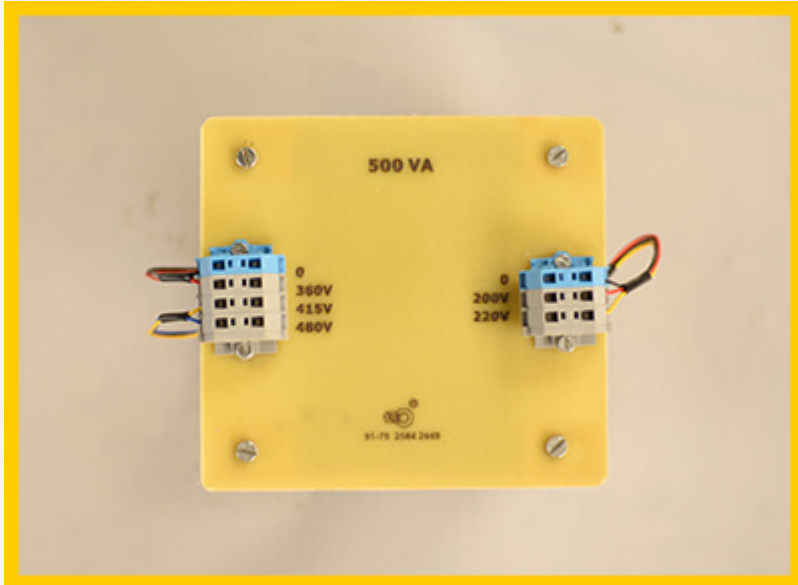
ITC HS Codes	850433, 850431, 850432
Certification/ Standard	CE
Issuing Agency	---
Date of Issue	06-12-2021
Date of Expiry	05-12-2024
End Use Sectors	EPC Contractors, Power Companies, Control Panels, Machinery Manufacture

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Ultra Isolation Transformers

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Technical Details

Ultra Isolation Transformers is a transformer used to transfer electrical power from a source of alternating current (AC) power to some equipment or device while completely isolating the connected device from the power source, usually for safety. These types of three-phase Ultra Isolation transformers provide galvanic isolation and are used to protect against electric shock, to suppress electrical noise in sensitive devices, or transfer power between two circuits that must not be connected together. These Ultra isolation transformers are used at input or output with different brands of Online Ups, Sine Wave Ups of popular brands like APC, Emerson, tata Liebert, etc. They are also called power ultra isolation transformers in the industry. Suitably designed Ultra Isolation Transformers block interference caused by ground loops. Power transformers with electrostatic shields are used for power supplies for sensitive equipment such as computers or laboratory instruments. Rating Available: 1 KVA to 1000 KVA. Single and Three Phase / Air and Oil Cooled. Isolation & Ultra Isolation Transformers manufactured and supplied by Trio Transformers are used for decoupling two circuits. The transformer can rightly be considered as the upgraded version of the regular isolation transformer. It has secondary and primary coils and for shielding purposes, an inductance has been created between these coils to give more noise attenuation. This transformer is mainly utilized for wireless stations and with expensive medical equipment. The coupling capacitance is less because its primary coil is not traversed on the top of the other coil. What we have won is the trust of customers and this is the biggest achievement of Trio Transformer since inception. Timely delivery, high quality, and customer satisfaction are the business ethics that have helped us to carve a niche for ourselves in this domain.

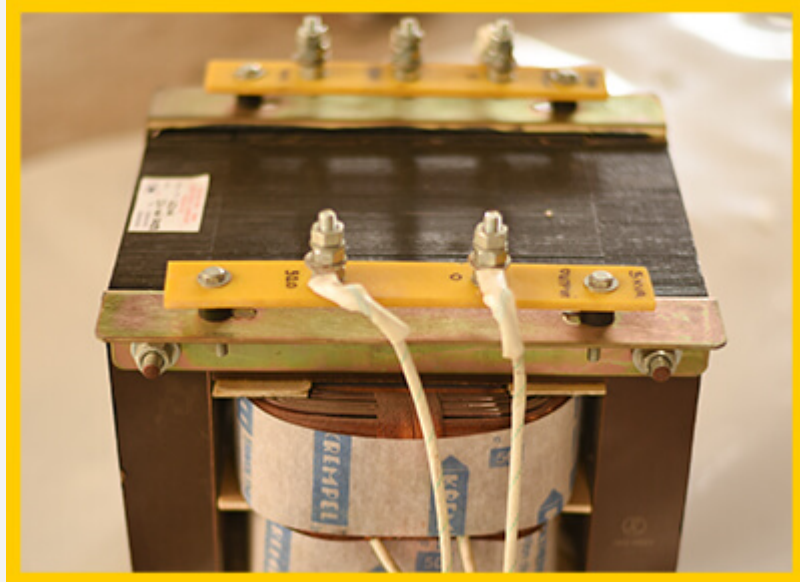
ITC HS Codes	850433, 850432, 850431
Certification/ Standard	CE
Issuing Agency	---
Date of Issue	06-12-2021
Date of Expiry	05-12-2024
End Use Sectors	Machinery and Equipment Manufacture

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Line Chokes

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Technical Details

Line chokes are used to provide improved protection against over voltages on the line supply and to reduce harmonic distortion of the current produced by the drive. The use of line chokes is recommended in particular under the following Circumstances: Close connection of several drives in parallel. Line supply with significant disturbance from other equipment (interference, overvoltages). Line supply with voltage imbalance between phases that is more than 1.8% of the nominal voltage. Installation of a large number of frequency inverters on the same line. Reduction of overloads on the cos ϕ correction capacitors, if the installation includes a power factor correction unit.

ITC HS Codes

850450

Certification/ Standard

CE

Issuing Agency

Date of Issue

06-12-2021

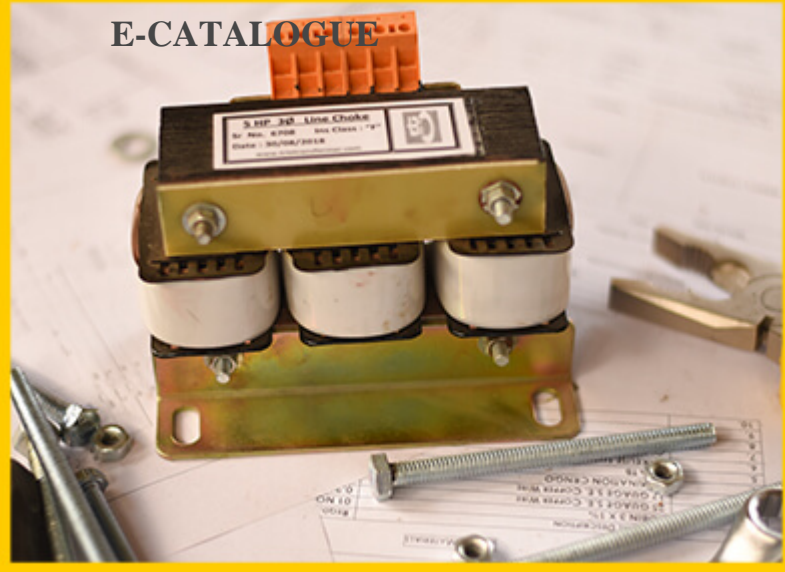
Date of Expiry

End Use Sectors

Product Images



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Sectors of Interest

POWER SECTOR, MANUFACTURING SECTOR

Is OEM Supplier?

No

Is After Sales Service Provider?

No

Importance of niche products

Potential market of niche products



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Product Supply Record

Patented Technologies

Awards/Accolades