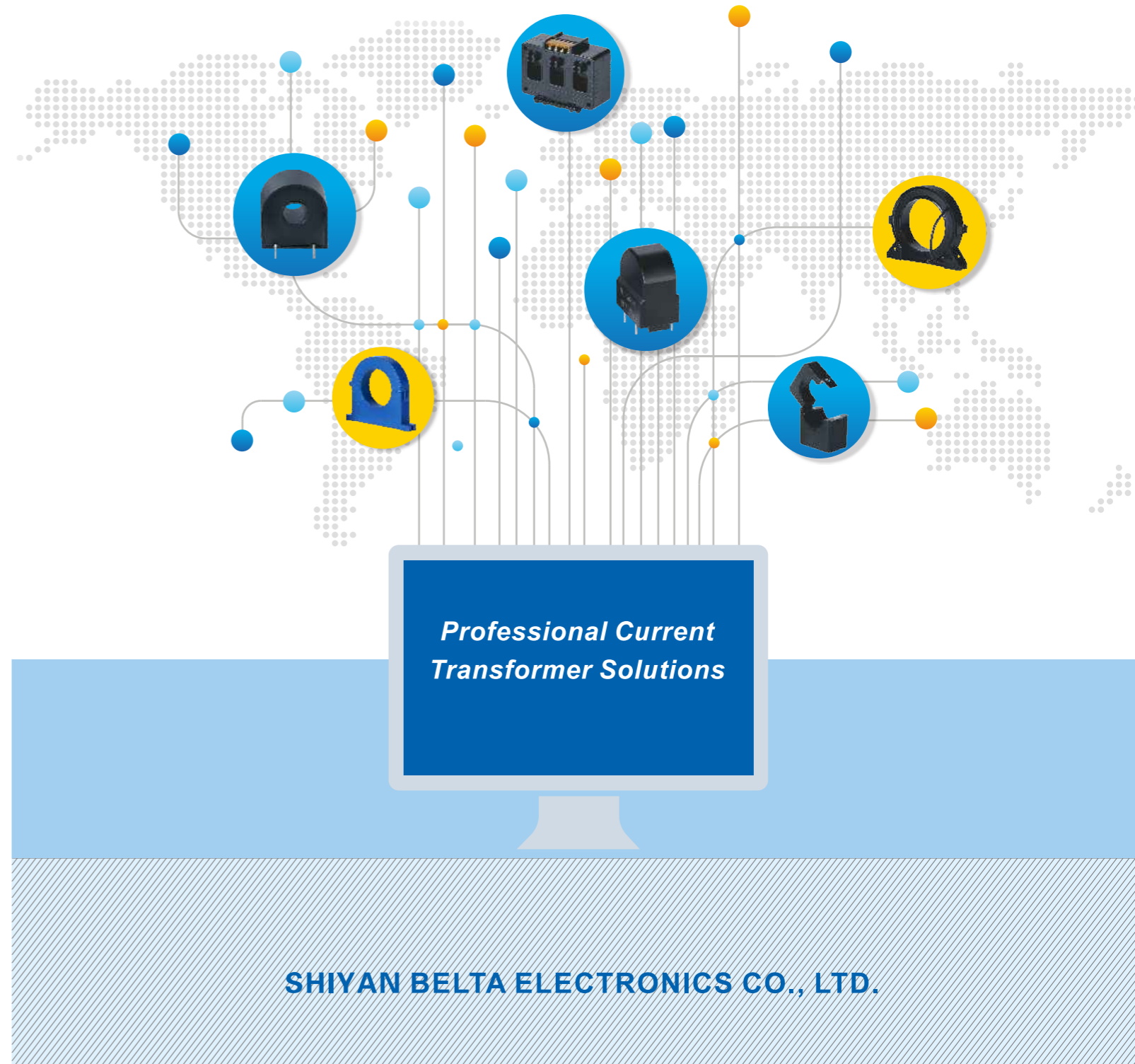




High-quality current transformers, connecting the world!

Belta specializes in providing current transformer solutions. With a commitment to technological innovation and a customer-first approach, Belta is dedicated to becoming the world's most professional supplier of current transformers. We will continue striving together with you to build a brighter future!

Design 13602606340



SHIYAN BELTA ELECTRONICS CO., LTD.

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Company Profile

Established in 2018, Shiyen Belta Electronics Co., Ltd., is headquartered in Yunxi County, at the base of Wudang Mountain in Shiyen, Hubei. The Company is a high-tech enterprise specializing in the research, development, manufacturing, and sales of current transformers.

Our factory covers an area of 4500 Square meters for producing area. Relying on more than 20 years of technical research and development experience accumulated by the core technical personnel in the current transformer industry, the company has independently innovated and developed silicon steel strip core, nano-crystalline core, composite magnetic cores and produced cost-effective miniature current transformers, potential transformers and electric current transformers, etc. in combination with fully automatic toroidal winding machine, automatic epoxy coating machine and other advanced equipment, which have been widely used in the fields of electric power system, new energy, Big Data Center, Internet of Things, etc., adopted by ABB, Emerson, Schneider and other well-known enterprises and exported to Southeast Asia, Europe and the United States.

The company has passed ISO9001, ISO14001 and UL insulation system certification and strictly controls every procedure to ensure product quality by using globally advanced quality management methods such as "6S", "QCC" and "SPC" and adhering to the principle of "quality first, customer first."

We commit to technological innovation and maintain a customer-centric approach, and our goal is to become the world's most professional current transformer supplier.

R&D Technology

With many years of R&D technological accumulation, we have rich experience in cooperation with customers to develop new products, fully understand the application needs of domestic and foreign customers, formulate solutions for reliability analysis and safety testing compliance and have the ability to develop new cores and meet higher requirements of current transformers.



High-precision current transformer calibrator



Electric current transformer calibration station



Soft magnetic tester



High precision magnetic core tester



High&low temperature and humidity chamber



Salt spray test chamber

Quality Assurance

Always adhering to the principle of “quality first, customer first”, the company strictly controls every procedure and ensures high quality of the products from the selection of raw materials to the production process and from product testing to factory inspection.



RoHS Tester



HI-POT Tester



Automatic current transformer calibration tester



Layer short tester



LCR Tester

Miniature Current Transformer Production Line



Fully automatic toroidal winding machine



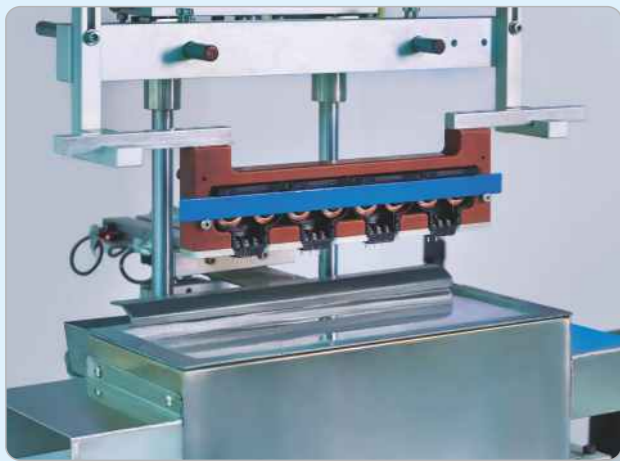
Flying fork winding machine

Miniature Current Transformer Production Line



Miniature current transformer production line

1



Automatic soldering machine

2



Automatic potting machine

3



Electric current transformer winding

4



Electric current transformer production line

5

Core Production Line



Nano-crystalline core winding machine

1



Silicon strip core winding machine

2



Nano-crystalline core heat treatment furnace



Silicon strip core heat treatment furnace

6



Automatic epoxy coating line

4



Precision cutting machine

7



Fully automatic magnetic core case assembly line

5



Magnetic core automatic testing line

8

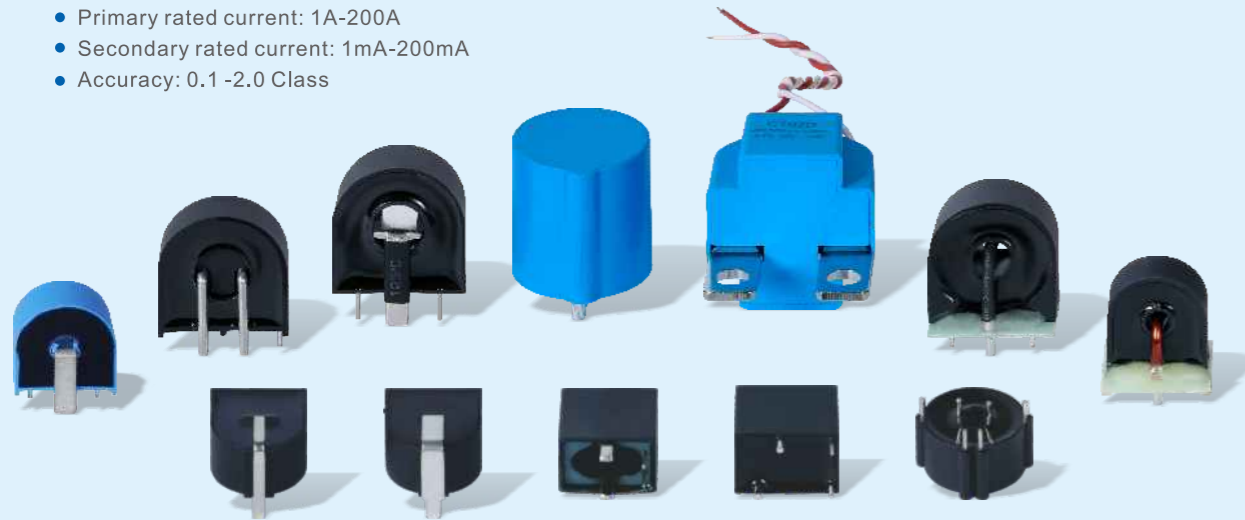
Miniature Current Transformer

The CT series of miniature current transformers, assembled with PBT flame-retardant case and potted with epoxy resin, feature small size, high temperature and reliable insulation; the miniature current transformers produced with high-permeability nano-crystalline cores, boasting high precision (up to 0.1 level) and good temperature characteristics, are suitable for electronic watt-hour meters, power monitoring instruments and other AC precision measurement occasions. The miniature current transformers produced with oriented silicon strip cores having high magnetic induction strength, boasting strong anti-saturation capability, are suitable for motor overload protection and other overcurrent protection applications.



Straight-through Current Transformer

- Primary straight-through, flexible cable selection
- PCB mounting for easy installation, saving soldering time
- Primary rated current: 1A-200A
- Secondary rated current: 1mA-200mA
- Accuracy: 0.1 -2.0 Class



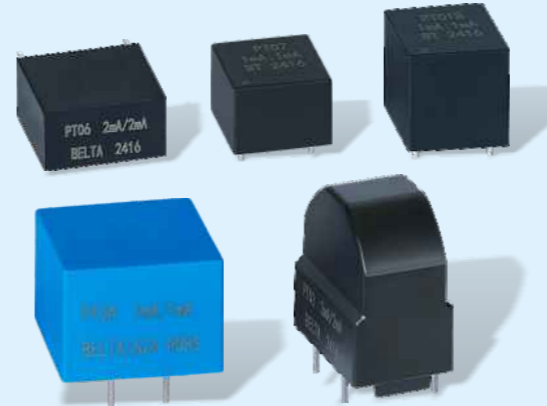
Miniature Current Transformer

- Primary and secondary integrated, easy to insert in PCB, high production efficiency
- Reliable insulation between primary and secondary, compliant with safety standards
- Primary rated current: 1A-100A
- Secondary rated current: 1mA-100mA
- Accuracy: 0.1 -2.0 Class



Miniature Lead Type Current Transformer

- Primary straight-through, flexible cable selection
- Secondary lead type, customizable per customer requirements
- Primary rated current: 1A-800A
- Secondary rated current: 1mA-200mA
- Accuracy: 0.1-2.0 Class



Miniature Precision Potential Transformer

- Adopt high-permeability nano-crystalline core
- PBT flame-retardant case, epoxy resin potting
- Primary rated current: 0.5mA-2mA
- Secondary rated current: 0.5mA-2mA
- Accuracy: 0.1-0.5 Class
- Primary to secondary HI-POT: $\geq 3000V$

Zero-sequence Current Transformer

- Adopt high-permeability nano-crystalline core or permalloy core
- PBT flame-retardant case, epoxy resin potting
- High sensitivity and good balance
- Primary leakage current: 5mA-100mA
- Secondary output voltage: 5mV-100mV



Split-core Current Transformer

The split-core current transformer is composed of split silicon strip core or nano-crystalline core wound by enameled copper wires, with the case made of PC or nylon engineering plastics. Characterized by easy installation and good linearity, it can be used for power retrofitting or monitoring.



Split-core Current Transformer (CTK Series)

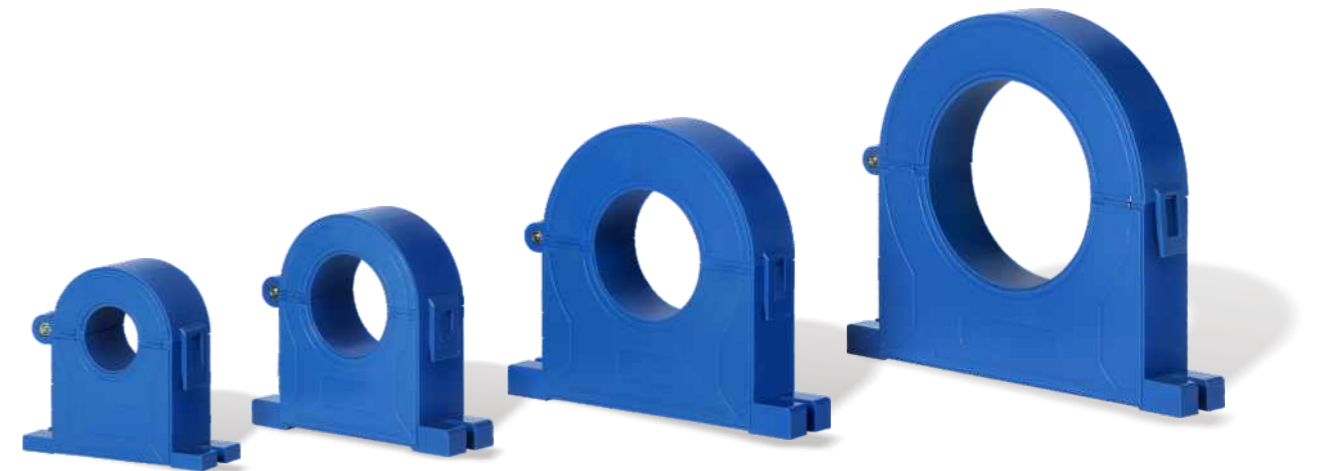
- Primary current: 5A-500A; secondary current: 1mA-5A; inner hole: 10-50mm; accuracy class: 0.5-2
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy and high sensitivity.
- The case made of high-toughness, flame-retardant PA material, with good safety performance and attractive design
- Snap-in split type structure for easy installation



Split-core Current Transformer (CTS Series)

- Primary current: 5A-500A; secondary current: 1mA-5A; inner hole: 25-50mm; accuracy class: 0.5-2.0
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy and high sensitivity.
- The case is made of high-toughness, flame-retardant PC material, with good safety performance and attractive design
- Snap-in split type structure for easy installation

The split-core current transformer is composed of split silicon strip core or nano-crystalline core wound by enameled copper wires, with the case made of PC or nylon engineering plastics. Characterized by easy installation and good linearity, it can be used for power retrofitting or monitoring.



Split-core Type Residual Current Transformer (ZCT-A Series)

- Inner hole: 24-80mm
- Primary input current: 1A-2A
- Secondary current: 0.5mA-2mA
- Accuracy: 0.5 - 1.0 Class
- Excellent balance performance



Residual Current Transformer (ZCT-B Series)

- Primary current: 1A-2A, Secondary current: 0.5mA-2A, Inner hole: 30-100mm, Accuracy class: 0.5-1.0
- All iron cores are made of high-permeability nano-crystalline cores features excellent performance, stable accuracy and high sensitivity.
- The case is made of high-toughness, flame-retardant PBT material, with good safety performance and attractive design
- Snap-in split type structure for easy installation
- Easy to install, secured by screws
- Excellent balance characteristics with strong electromagnetic interference capability

Three-phase Current Transformer

Three-phase current transformer that copper busbars and cables can pass through with through-core structure and flame-retardant epoxy resin potting.



Round Three-phase Current Transformer

- Primary current: 1A-500A, Secondary current: 5mA-200mA, Inner hole: 10-40mm, Accuracy class: 0.5- 1.0
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.
- The case is made of high-toughness, flame-retardant ABS material, with good safety performance and an attractive design.



Rectangular Three-phase Current Transformer

- Primary current: 1A-100A, Secondary current: 0.5mA-200mA, Inner hole: 10-40mm, Accuracy class: 0.5 - 1.0
- Open-close structure, simple structure, reasonable design and easy installation

Electric Current Transformer

BH0.66 Series electric current transformer is composed of highly magnetic oriented silicon strip with high-purity nitrogen-protected heat treatment, wound by enameled copper wires, with the case made of PC or nylon engineering plastics, capable of withstanding temperatures up to 120°C.



KH 0.66 Series Electric Current Transformer

- Primary current: 100A-5000A, Secondary current: 1A, 5A, Accuracy class: 0.2 - 2.0
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.
- The case is made of high-toughness, flame-retardant PC material, with good safety performance and attractive design.
- Flip-type transparent terminal cover for easy wiring
- Easy to install and can be secured by pressure discs.



WT Series Electric Current Transformer

- Primary current: 100A-5000A, Secondary current: 1A, 5A, Accuracy class: 0.2 - 2.0
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.
- The case is made of high-toughness, flame-retardant PC material, with good safety performance and an attractive design.

Electric Current Transformer

BH0.66 Series electric current transformer is composed of highly magnetic oriented silicon strips with high-purity nitrogen-protected heat treatment, wound by enameled copper wires, with the housing made of PC or nylon engineering plastics, capable of withstanding temperatures up to 120°C.

BH 0.66-A Series Electric Current Transformer

- Primary current: 50A-8000A, Secondary current: 5A, 1A, 0.1A. Available in various specifications
- Accuracy classes: 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, etc. Easy to install and can be secured by curved blades and pressure discs.
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.



BH 0.66 Series Electric Current Transformer (-B Series Type I)

- Primary current: 50A-8000A, Secondary current: 5A, 1A, 0.1A. Available in various specifications
- Accuracy class: 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, etc.
- Easy to install and can be secured by curved blades and pressure discs.
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.



Electric Current Transformer



BH 0.66 Series Electric Current Transformer (-B Series Type II)

- Primary current: 50A-8000A, Secondary current: 5A, 1A, 0.1A. Available in various specifications
- Accuracy class: 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, etc.
- Easy to install and can be secured by curved blades and pressure discs.
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.



BH 0.66 Series Electric Current Transformer (-B Series Type III)

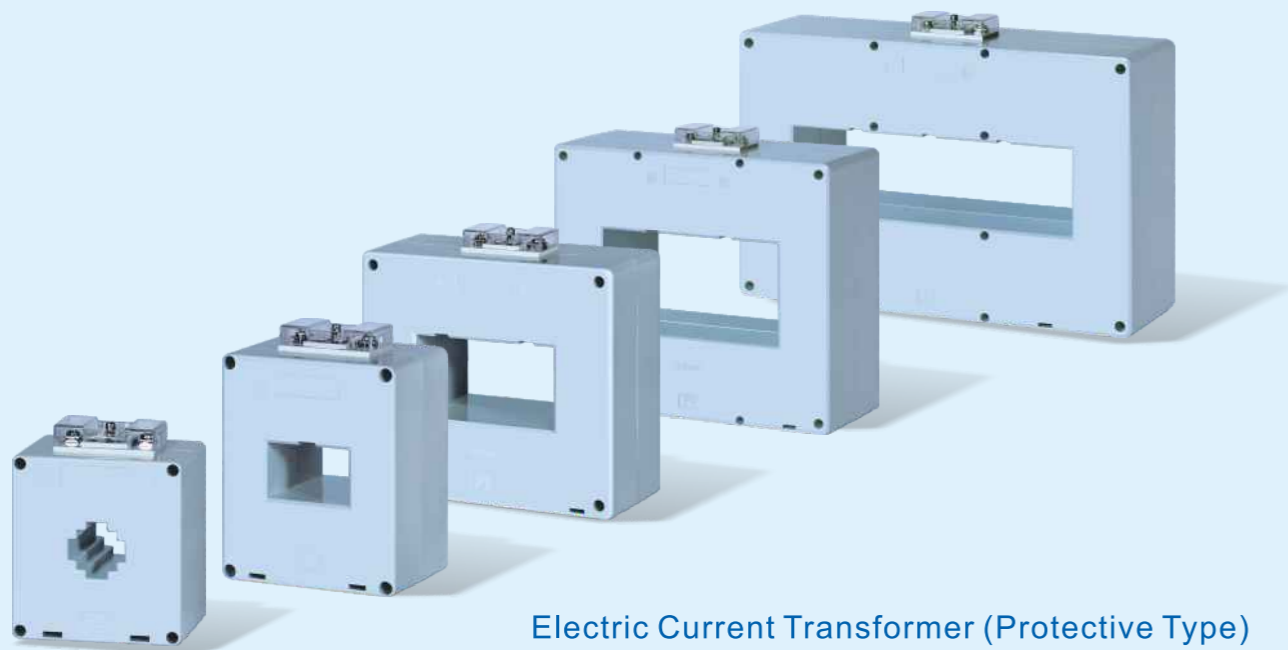
- Primary current: 50A-8000A, Secondary current: 5A, 1A, 0.1A. Available in various specifications
- Accuracy class: 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, etc.
- Easy to install and can be secured by curved blades and pressure discs.
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.

Electric Current Transformer (Protective Type)



Electric Current Transformer (Protective Type)

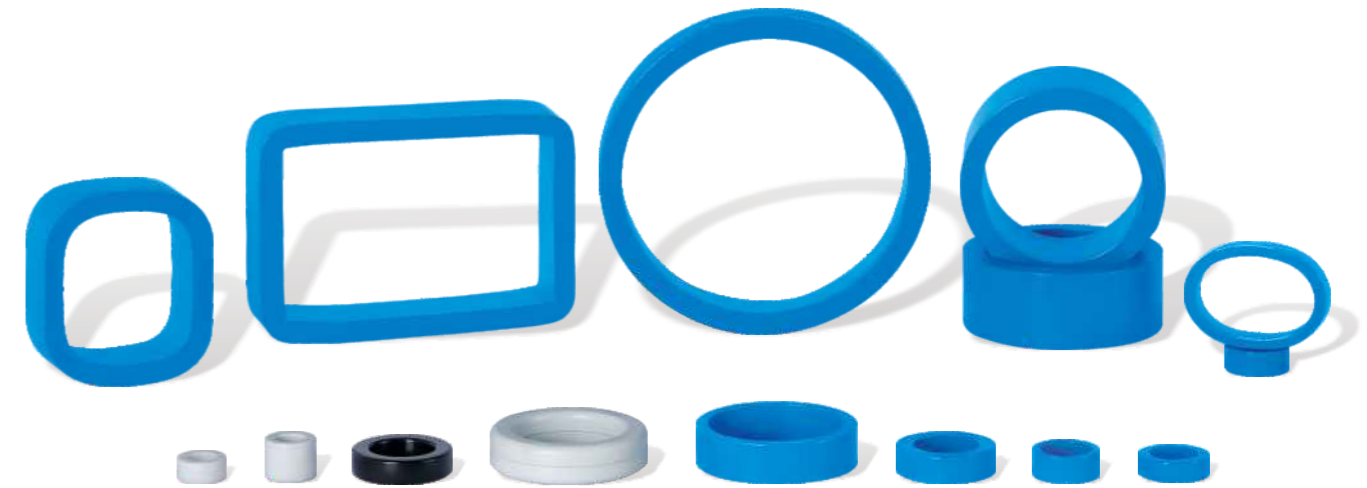
- Primary current: 5A-60A, Secondary current: 1A, 5A
- The iron core subjected to high vacuum heat treatment features excellent performance, stable accuracy.
- The case is made of high-toughness, flame-retardant PC material with good safety performance and attractive design.
- Easy to install and can be secured by curved blades and pressure discs.



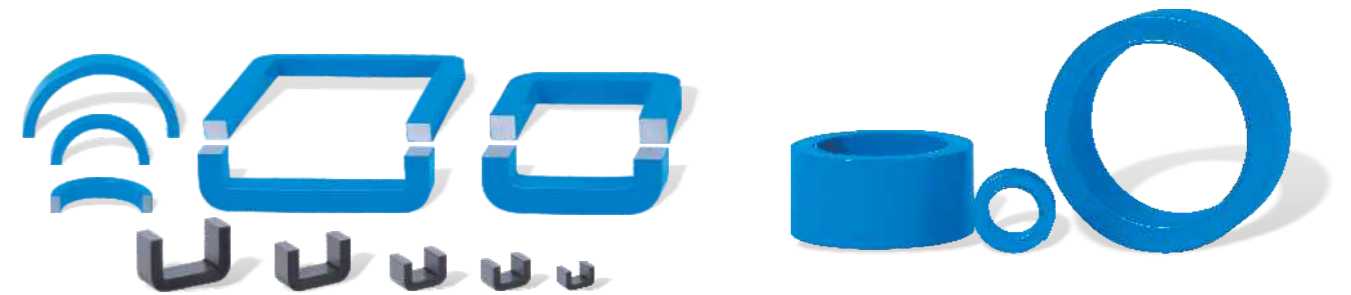
Electric Current Transformer (Protective Type)

- Primary current: 5A-60A, Secondary current: 1A, 5A
- The core undergoes high vacuum heat treatment, ensuring excellent performance and stable accuracy
- The case is made of high-toughness, flame-retardant PC material, with good safety performance and attractive design.
- Easy to install and can be secured by curved blades and pressure discs.

Core



Nano-crystalline toroid core and Silicon strip toroid core



Rectangular silicon strip core

Composite magnetic core

Application fields

