



Current Transformer Product Manual

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Stock Code: 430556



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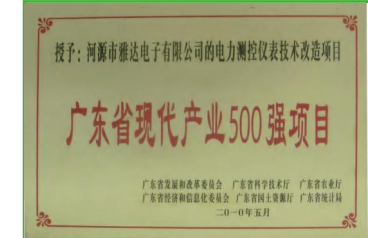
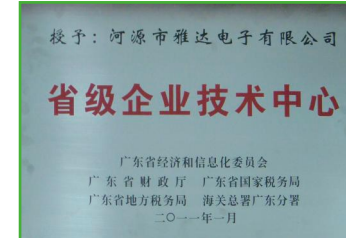
Introduction

Honor

Guangdong Yada Electronics Co., Ltd. (Stock Code: 430556, Stock Abbreviation: Yada Co., Ltd.)

With a registered capital of RMB 161 million, Yada is a leading national high-tech enterprise in China, integrating both hardware and software development. It is recognized as a National Intellectual Property Advantage Enterprise and a “Specialized, Refined, Differential, and Innovative” SME in Guangdong Province. The company has established innovation platforms such as the Guangdong Provincial Engineering Technology R&D Center for Intelligent Power Monitoring and Control Instruments and the Provincial Enterprise Technology Center, and boasts nearly 30 years of field operation experience.

Yada focuses on two major fields: the Energy Internet of Things (IoT) and Intelligent Manufacturing. It provides comprehensive technical solutions and services to customers across industries such as data centers, telecommunication base stations, new energy charging stations, rail transit, industrial buildings, and municipal infrastructure. The company has earned the recognition of and established solid partnerships with major domestic and international enterprises, including Tencent, Alibaba, Huawei Technologies, ZTE, Hikvision, Vertiv (Emerson), Siemens, Schneider Electric, and ABB.



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Current Transformer

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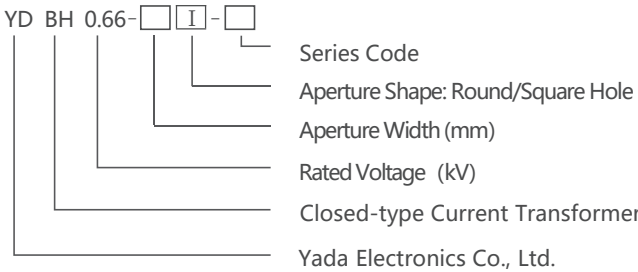
YDBH0.66 Series Current Transformers

Integrity and Elegance –
Humble and Open-Minded

YDBH0.66- I Series



Product Model Description



Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)						Installation Dimensions	
					W	H	D	a	e	Φ	M	N
YDBH0.66-30I-B	5A~600A	5A 1A	0.1VA ~ 20VA	0.2, 0.2S 0.5, 0.5S 1.0	60	81	36	31	11	23	31.5	58
YDBH0.66-40I-B	50A~1000A				75	98	41	42	11	31	40	58
YDBH0.66-60I-B	300A~2000A				102	133	45	62	21	45	42	58

Product Features

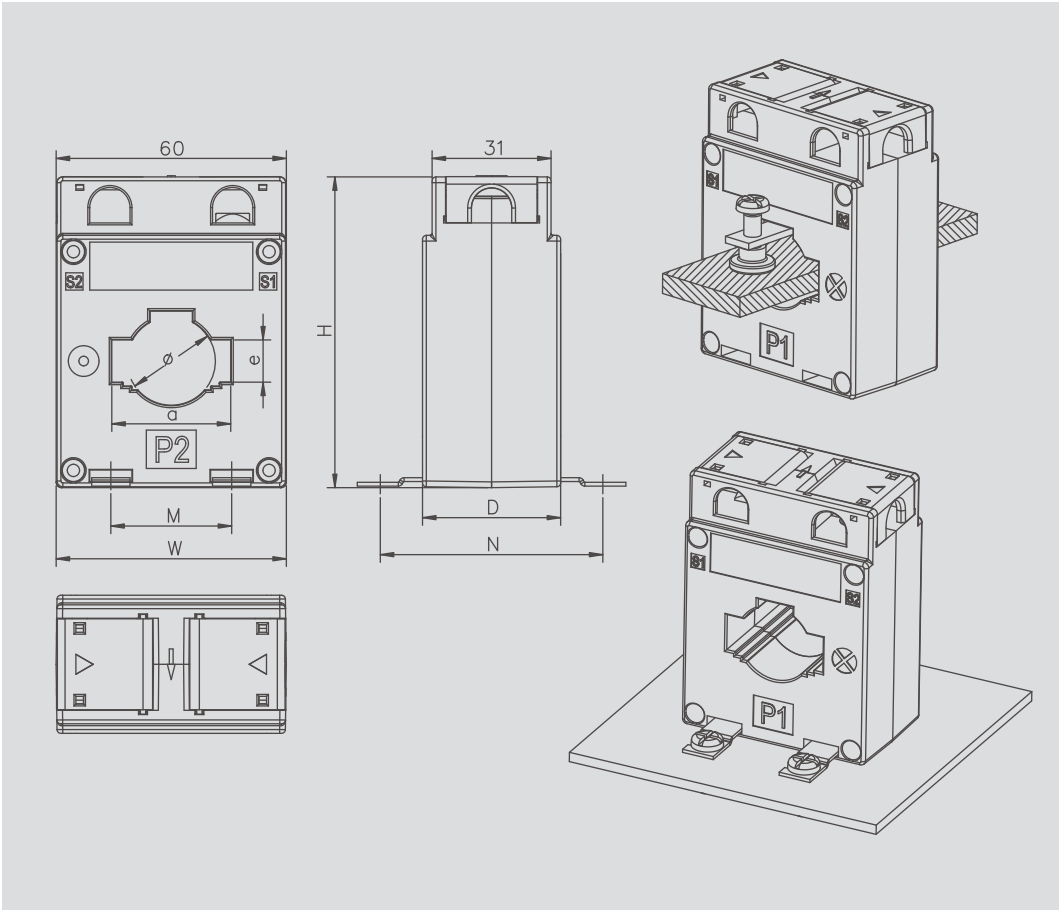
- Primary current range: 5A to 2000A; secondary current: 5A or 1A; complete specifications covering five accuracy classes: 0.2S, 0.5S, 0.2, 0.5, and 1.0.;
- The iron core undergoes high-vacuum heat treatment, ensuring excellent performance and stable accuracy;
- The enclosure is made of high-impact, flame-retardant PC material, providing good safety and an attractive appearance;
- Equipped with a flip-open transparent terminal cover for convenient wiring;
- Easy installation using either clip fixation or pressure plate fixation;
- Performance complies with the technical standard GB/T 20840.2-2014 “Current Transformers.”

Operating Conditions

- Operating Temperature: -40℃~120℃
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precau

- The current transformer is suitable for AC circuits with a rated voltage not exceeding 0.66kV. The operating current should not exceed the rated value for extended periods.;
- It adopts subtractive polarity. The primary terminals are P1 and P2, corresponding to secondary terminals S1 and S2.;
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of the external circuit (including wiring) must not exceed the rated burden.;
- Never open the secondary circuit while in operation, as it may cause high voltage hazards or equipment damage;



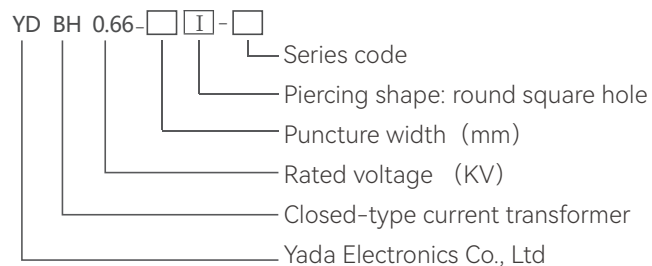
YDBH0.66 Series Current Transformers

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YDBH0.66- I High Temperature Series



Product Model Description



Product Features

- Primary current range: 5A to 2000A; Secondary current: 5A or 1A, Full range of specifications, covering five accuracy classes: 0.2S, 0.5S, 0.2, 0.5, and 1.0;
- Core material undergoes high vacuum heat treatment, ensuring excellent performance and stable accuracy;
- Enclosure is made of high-impact, flame-retardant material resistant to 150°C, offering high safety and an attractive appearance;
- Equipped with a flip-top transparent terminal cover for convenient wiring;
- Easy installation, with options for bracket or base plate mounting;
- Compliant with GB/T 20840.2-2014 standard for current transformers;

Operating Conditions

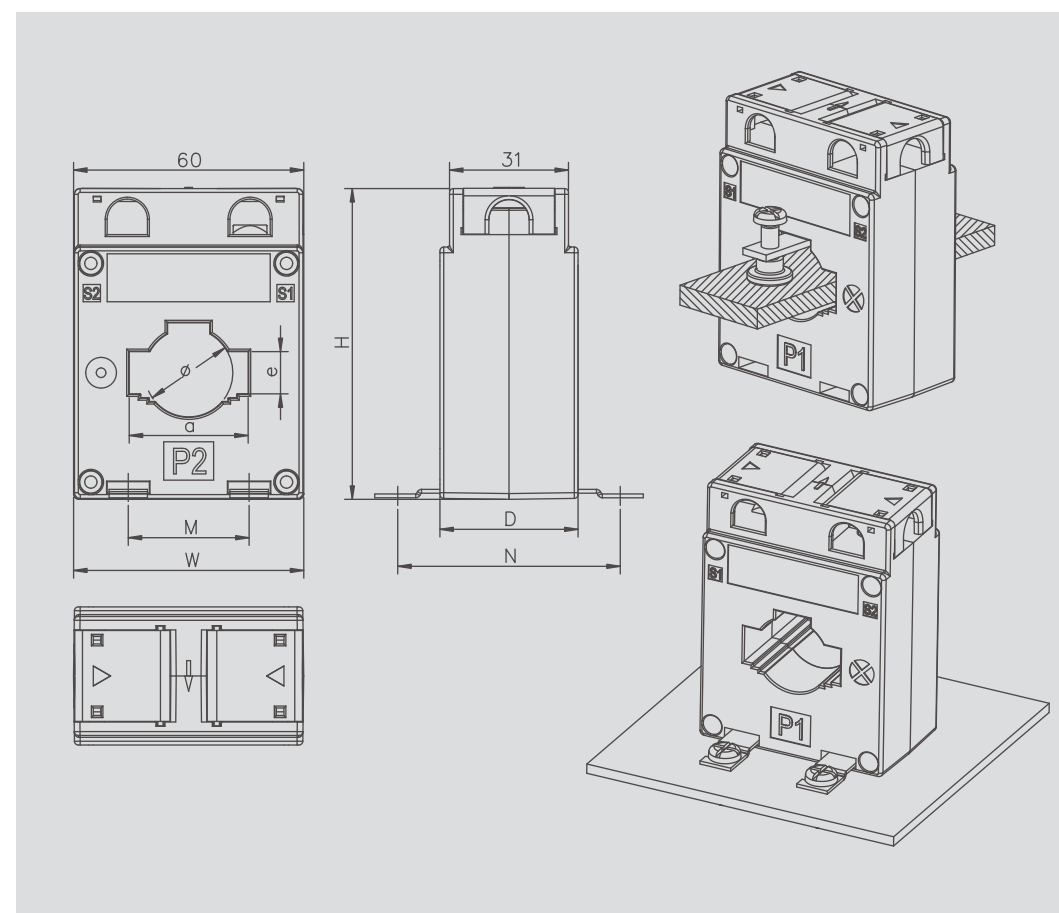
- Operating Temperature: -40°C~150°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precautions

- The current transformer is designed for AC circuits with a rated voltage not exceeding 0.66kV, and the continuous operating current must not exceed its rated value;
- The product has subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2;
- Measuring instruments should be connected to S1 and S2. The total impedance of external instruments connected to the secondary winding (including wiring) must not exceed the rated burden;
- The secondary circuit must never be open during operation;

Technical Specifications / Dimensions

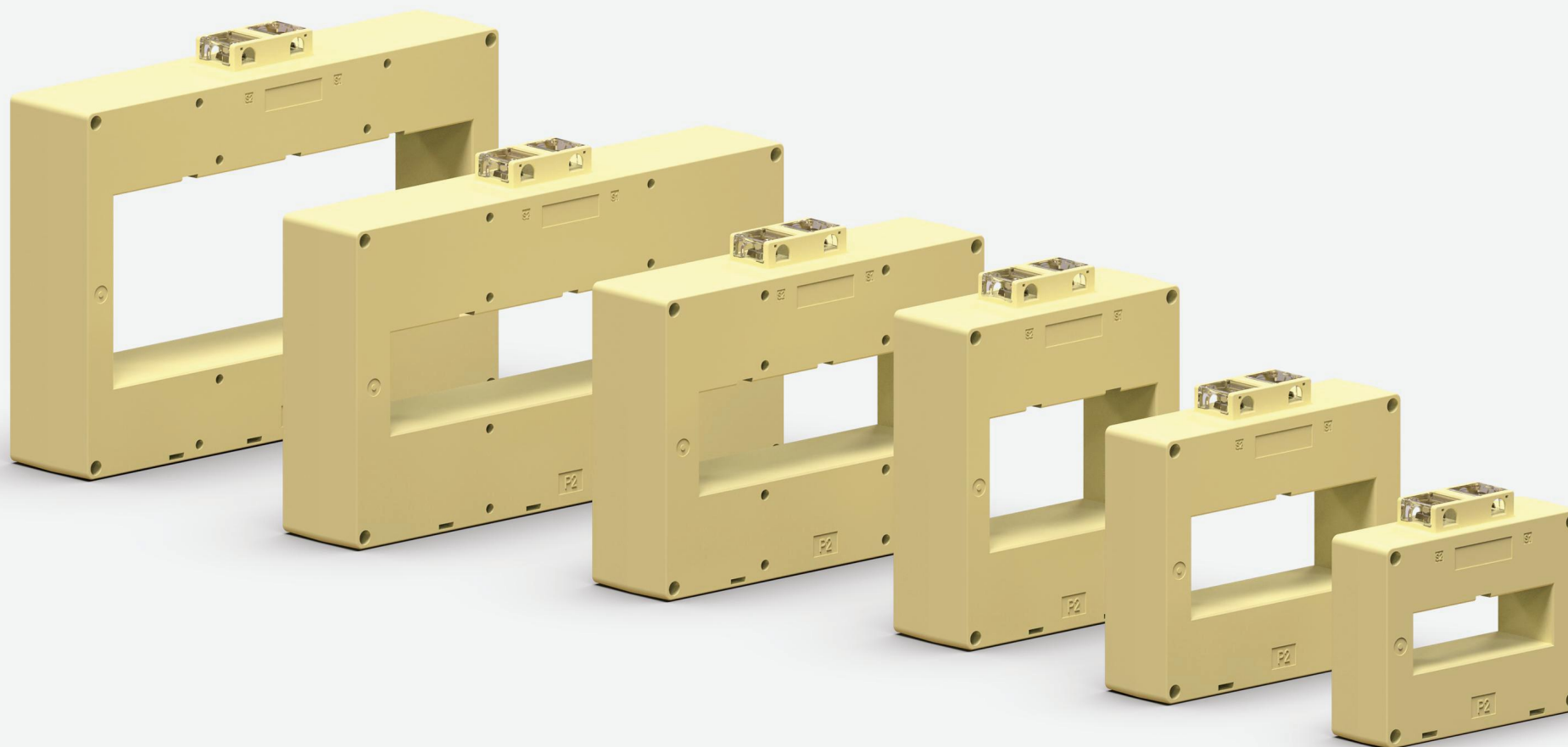
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class Y	Dimensions (mm)						Installation Dimensions	
					W	H	D	a	e	Φ	M	N
YDBH0.66-30I-G	5A~600A	5A 1A	0.1VA ~ 20VA	0.2, 0.2S 0.5, 0.5S 1.0	60	81	36	31	11	23	31.5	58
YDBH0.66-40I-G	50A~1000A				75	98	41	42	11	31	40	58
YDBH0.66-60I-G	300A~2000A				102	133	45	62	21	45	42	58



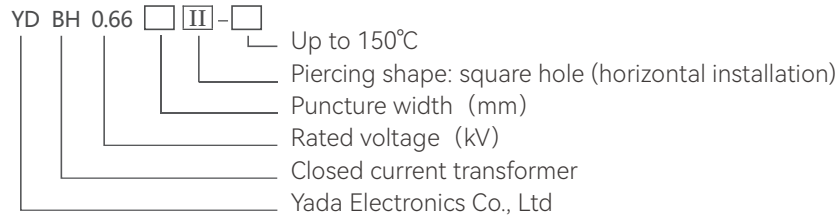
YDBH0.66 Series Current Transformers

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YDBH0.66-II Series



Product Model Description



Product Features

- Primary current range: 100A to 7500A, secondary current: 5A or 1A. A full range of specifications is available, covering accuracy classes 0.2S, 0.5S, 0.2, 0.5, and 1.0;
- The core undergoes high-vacuum heat treatment, ensuring excellent performance and stable accuracy;
- The housing is made of high-impact, flame-retardant PC material, offering reliable safety and an attractive appearance;
- Equipped with a flip-open transparent terminal cover for easy wiring;
- Easy installation using pressure plate fixation;
- Compliant with GB/T 20840.2-2014 technical standard for current transformers;

Operating Conditions

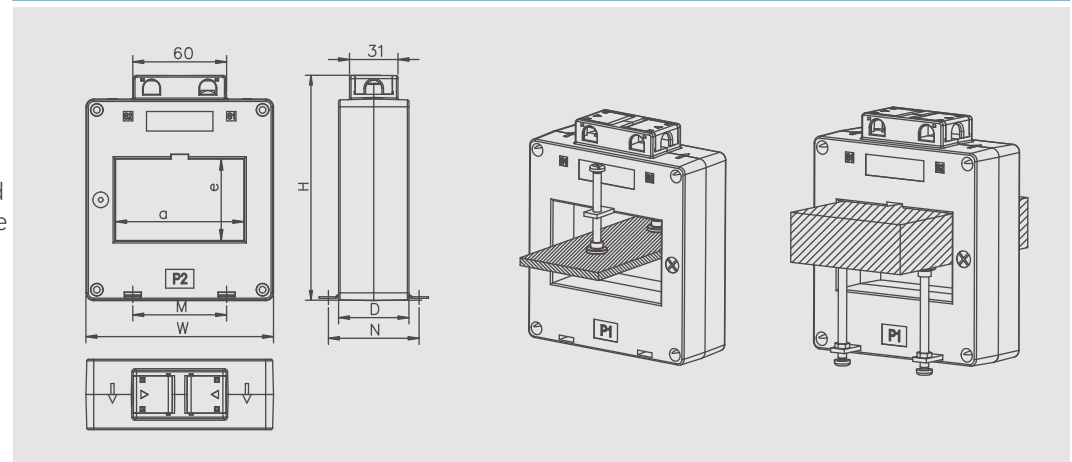
- Operating Temperature: -40°C~120°C ● Relative Humidity: 10%~95%
- Altitude: ≤4000m ● Rated Voltage: 0.66kV ● Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precautions

- The current transformer is intended for use in AC circuits with a rated voltage not exceeding 0.66kV. The continuous operating current should not exceed the rated value. When the primary current is ≥4000A, to avoid phase-to-phase current interference, the continuous operating current should not exceed 70% of the rated current. If the continuous operating current is required to reach the rated value, the center distance between busbars should not be less than the width of the CT (dimension W in the outline drawing).
- The product is subtractive polarity type, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2;
- Measuring instruments should be connected to the S1 and S2 terminals. The total impedance of the instrument circuit connected to the secondary winding (including wiring) must not exceed the rated burden of the CT;
- The secondary circuit of the current transformer must never be open during operation;

Technical Specifications / Dimensions

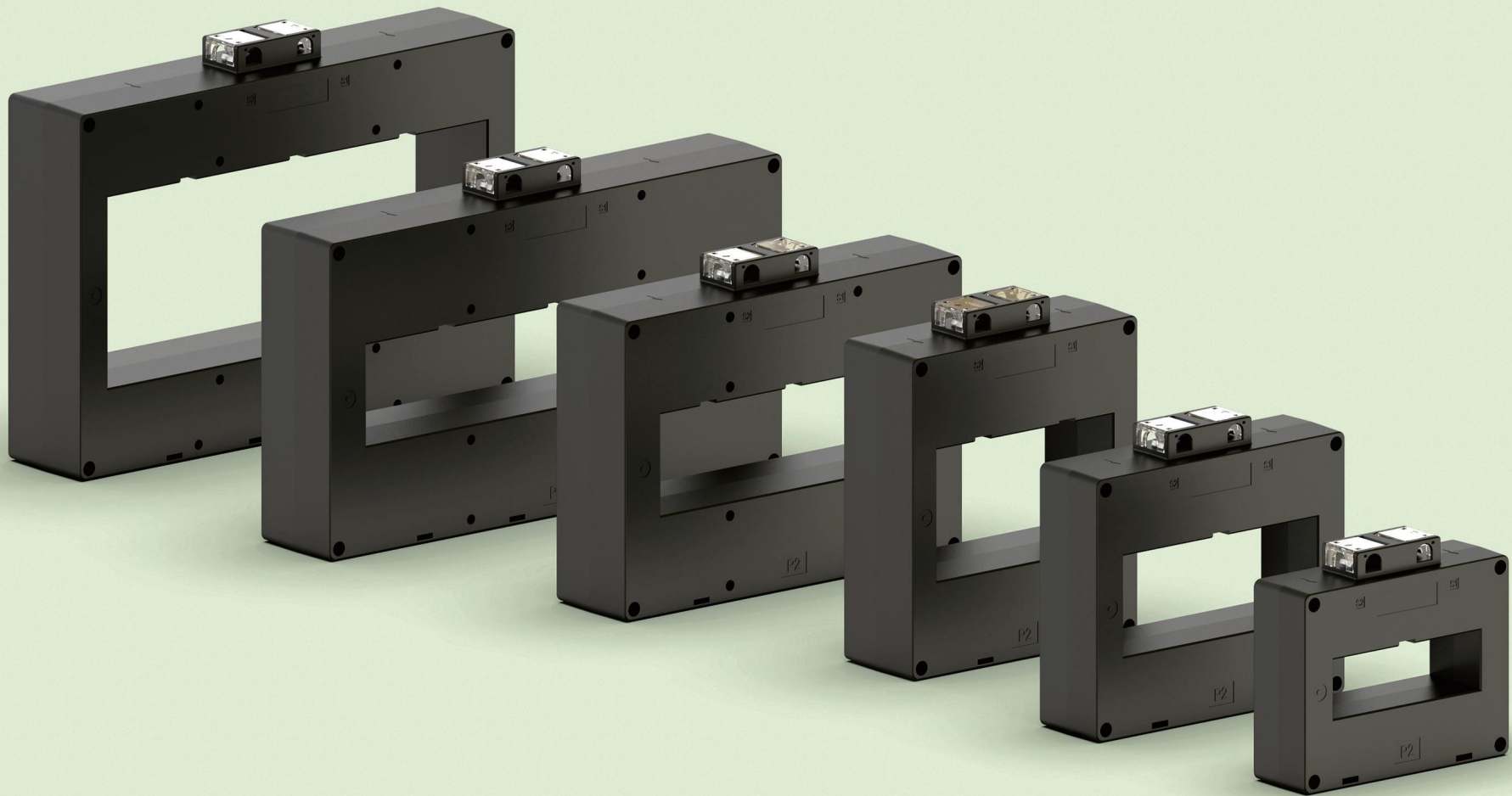
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)					Installation Dimensions	
					W	H	D	a	e	M	N
YDBH0.66-30 II -B	100A~600A	5A 1A	0.2VA ~ 30VA	0.2 0.2S 0.5 0.5S 1.0	62	101	45	32	32	28	58
YDBH0.66-40 II -B	150A~1200A				78	106	41	42	32	45	58
YDBH0.66-50 II -B	150A~1500A				87	116	45	52	32	30	58
YDBH0.66-60 II -B	300A~2500A				102	128	45	62	32	42	58
YDBH0.66-60×50 II -B	300A~2500A				102	145	45	62	52	42	58
YDBH0.66-80 II -B	400A~3000A				117	122	45	82	32	60	58
YDBH0.66-80×50 II -B	400A~3000A				120	144	45	82	52	60	58
YDBH0.66-100 II -B	500A~4000A				145	128	45	102	32	80	58
YDBH0.66-100×50 II -B	500A~4000A				145	158	50	102	52	80	78
YDBH0.66-100×80 II -B	600A~4000A				152	193	55	102	82	80	78
YDBH0.66-120 II -B	800A~5000A				174	171	48	122	52	80	78
YDBH0.66-120×70 II -B	1000A~5000A				160	196	60	122	72	56	78
YDBH0.66-130 II -B	800A~5000A				176	163	50	135	55	86	78
YDBH0.66-150 II -B	1000A~6000A				210	179	55	155	55	103	78
YDBH0.66-180 II -B	1500A~6000A				239	184	60	185	55	130	78
YDBH0.66-220 II -B	1500A~6300A				280	193	60	225	55	188	78
YDBH0.66-260 II -B	1500A~6300A				320	194	60	265	55	65/55/65	78
YDBH0.66-260×100 II -B	2000A~7500A				308	221	63	265	105	58/58/58	78



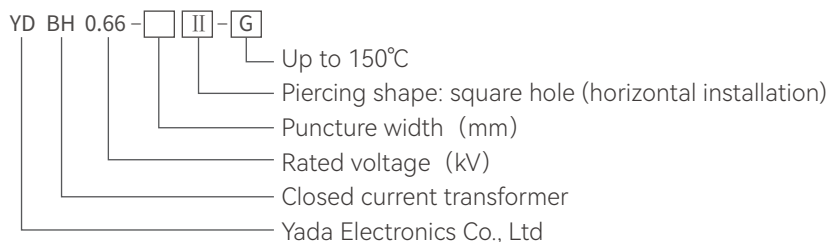
YDBH0.66Series Current Transformers

YDBH0.66-II High Temperature Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- The primary current ranges from 100A to 7500A, and the secondary current is 5A or 1A. A complete range of specifications is available, fully covering five accuracy classes: 0.2S, 0.5S, 0.2, 0.5, and 1.0.;
- The core undergoes high vacuum heat treatment, ensuring excellent performance and stable accuracy;
- The housing is made of high-impact, flame-retardant material with a heat resistance of up to 150°C, offering high safety and an attractive appearance.;
- A flip-type transparent terminal cover is used for convenient wiring;
- Easy to install using pressure plate mounting;
- The performance complies with the GB/T 20840.2-2014 Current Transformers standard;

Operating Conditions

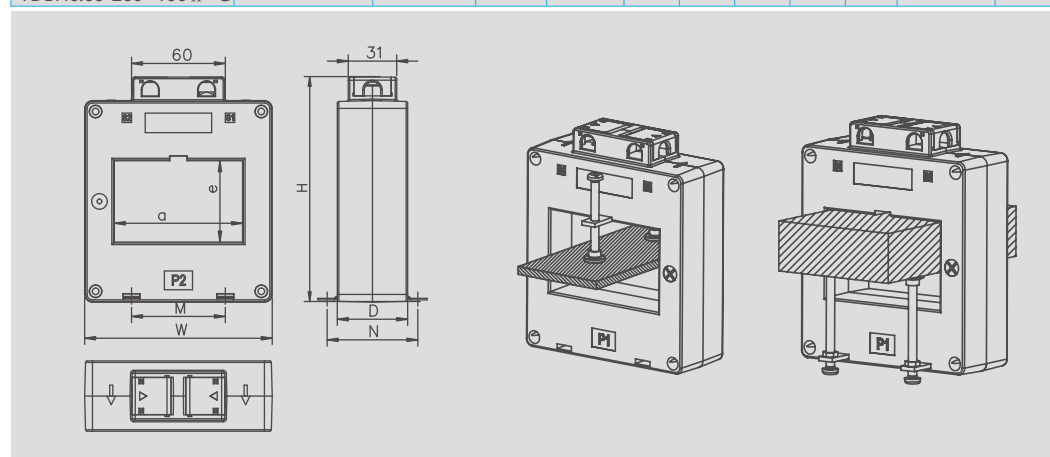
- Operating Temperature: -40°C~150°C ● Relative Humidity: 10%~95%
- Altitude: ≤4000m ● Rated Voltage: 0.66kV ● Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precautions

- The current transformer is designed for use in AC circuits with rated voltages not exceeding 0.66kV. The continuous operating current should not exceed the rated value. When the primary current is ≥4000A, to avoid interphase current interference, the continuous operating current should not exceed 70% of the rated value. If the continuous current needs to reach the rated value, the center distance of the copper bars should be no less than the width of the transformer (W dimension in the outline drawing).
- The product is of subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2;
- Measuring instruments should be connected to the S1 and S2 terminals. The total impedance of the instruments connected to the secondary circuit (including wiring) should not exceed the rated burden.;
- The secondary circuit of the current transformer must not be open while in operation.;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)					Installation Dimensions	
					W	H	D	a	e	M	N
YDBH0.66-30 II -G	100A~600A	5A 1A	0.2VA ~ 30VA	0.2 0.2S 0.5 0.5S 1.0	62	101	45	32	32	28	58
YDBH0.66-40 II -G	150A~1200A				78	106	41	42	32	45	58
YDBH0.66-50 II -G	150A~1500A				87	116	45	52	32	30	58
YDBH0.66-60 II -G	300A~2500A				102	128	45	62	32	42	58
YDBH0.66-60×50 II -G	300A~2500A				102	145	45	62	52	42	58
YDBH0.66-80 II -G	400A~3000A				117	122	45	82	32	60	58
YDBH0.66-80×50 II -G	400A~3000A				120	144	45	82	52	60	58
YDBH0.66-100 II -G	500A~4000A				145	128	45	102	32	80	58
YDBH0.66-100×50 II -G	500A~4000A				145	158	50	102	52	80	78
YDBH0.66-100×80 II -G	600A~4000A				152	193	55	102	82	80	78
YDBH0.66-120 II -G	800A~5000A				174	171	48	122	52	80	78
YDBH0.66-120×70 II -G	1000A~5000A				160	196	60	122	72	56	78
YDBH0.66-130 II -G	800A~5000A				176	163	50	135	55	86	78
YDBH0.66-150 II -G	1000A~6000A				210	179	55	155	55	103	78
YDBH0.66-180 II -G	1500A~6000A				239	184	60	185	55	130	78
YDBH0.66-220 II -G	1500A~6300A				280	193	60	225	55	188	78
YDBH0.66-260 II -G	1500A~6300A				320	194	60	265	55	65/55/65	78
YDBH0.66-260×100 II -G	2000A~7500A				308	221	63	265	105	58/58/58	78



YDBH0.66 Series Current Transformers

Integrity and Elegance –
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YDBH0.66-III Series



Product Model Description



Product Features

- Primary current range: 300A to 5000A, secondary current: 5A or 1A. Complete specifications available, fully covering five accuracy classes: 0.2S, 0.5S, 0.2, 0.5, and 1.0;
- The core undergoes high-vacuum heat treatment, ensuring excellent performance and stable accuracy;
- The housing is made of high-impact, flame-retardant PC material, offering good safety and an attractive appearance;
- Features a flip-type transparent terminal cover for convenient wiring;
- Easy to install with clamp plate fixation;
- Complies with the GB/T 20840.2-2014 technical standard for current transformers;

Operating Conditions

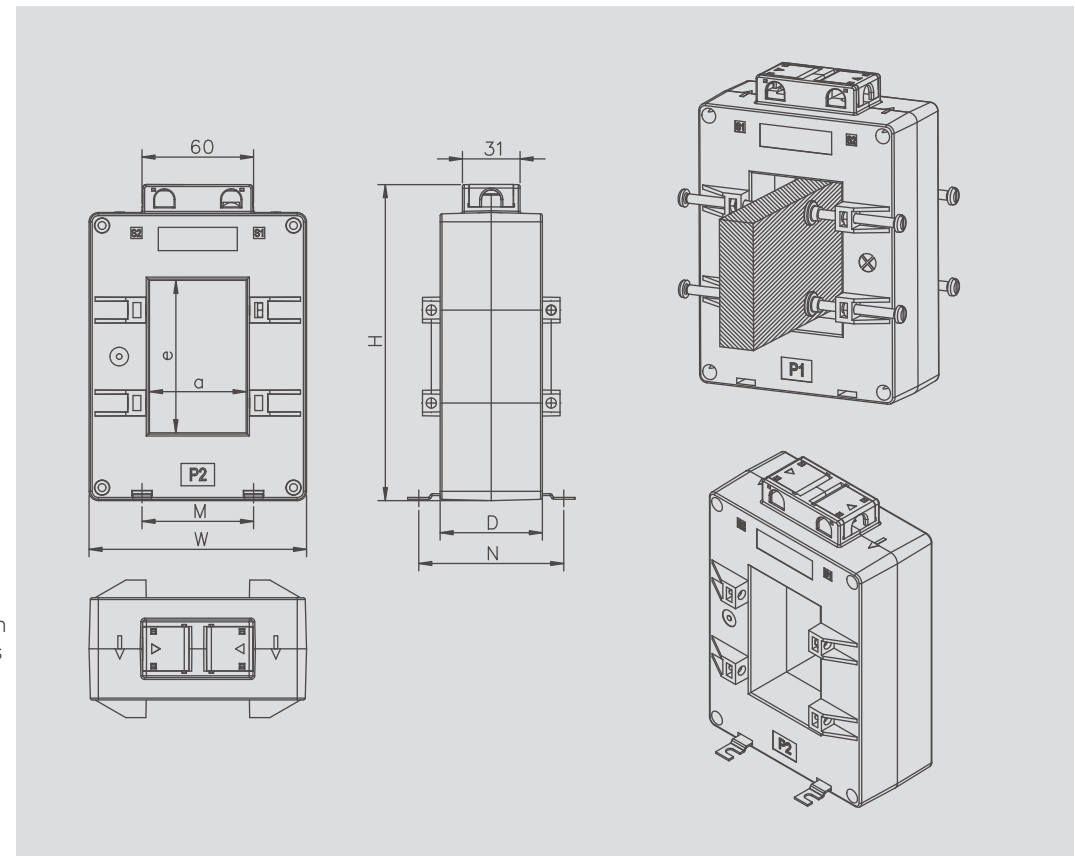
- Operating Temperature: $-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$
- Relative Humidity: 10%~95%
- Altitude: $\leq 4000\text{m}$
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precautions

- The current transformer is designed for use in AC circuits with a rated voltage not exceeding 0.66kV. The continuous operating current should not exceed the rated value. When the primary current is $\geq 4000\text{A}$, to avoid mutual interference between phases, the continuous operating current should not exceed 70% of the rated current. If continuous operation at the rated current is required, the center spacing of the copper bars should be no less than the width of the transformer (dimension W in the outline drawing).
- The product is of subtractive polarity, with P1 and P2 marking the primary terminals and S1 and S2 marking the corresponding secondary terminals;
- Measuring instruments should be connected to the S1 and S2 terminals. The total impedance of the instruments connected to the secondary circuit (including wiring) must not exceed the rated burden;
- The secondary circuit of the current transformer must never be open while in operation;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)					Installation Dimensions	
					W	H	D	a	e	M	N
YDBH0.66-60III-B	300A~2500A	5A 1A	5VA ~30VA	0.2	117	150	55	52	62	60	78
YDBH0.66-80III-B	400A~3000A			0.2S	117	170	55	52	82	60	78
YDBH0.66-100III-B	800A~5000A			0.5	120	193	55	52	102	60	78
YDBH0.66-130III-B	2000A~5000A			0.5S 1.0	125	227	55	52	132	60	78



YDBH0.66 Series Current Transformers

Integrity and Elegance –
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YDBH0.66-IV Series



Product Model Description



Product Features

- Primary current range: 5A to 60A; secondary current: 5A or 1A. This series solves the problem of multiple turns for low primary current by using a threaded rod for single-turn primary current passage.;
- The core undergoes high vacuum heat treatment, ensuring excellent performance and stable accuracy.;
- The housing is made of high-impact, flame-retardant PC material, offering good safety and an attractive appearance.;
- Easy installation with options for mounting via brackets or pressure plates.;
- Easy to install with clamp plate fixation.;
- Performance complies with GB/T 20840.2-2014 “Current Transformers” technical standard.;

Operating Conditions

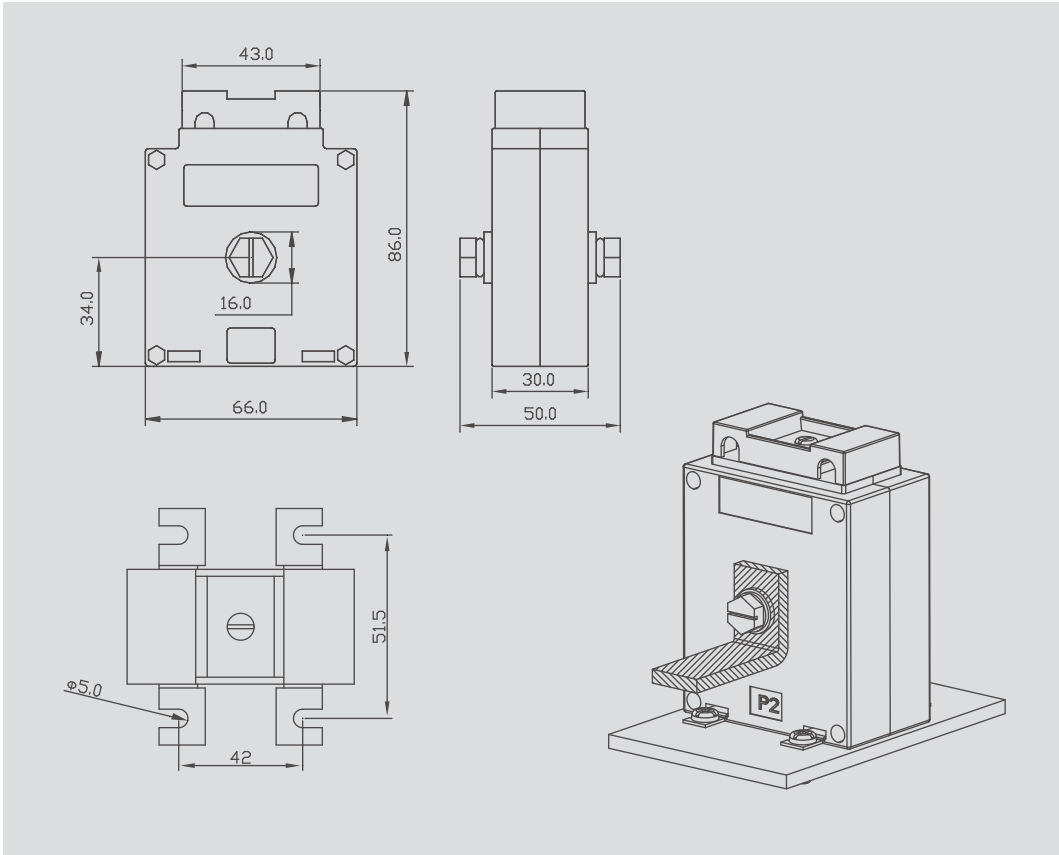
- Operating Temperature: -40°C~120°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground) ;

Precautions

- The current transformer is designed for use in AC circuits with a rated voltage not exceeding 0.66kV,and the continuous operating current should not exceed the rated value.;
- The product is of subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2.;
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed the rated burden.;
- The secondary circuit of the current transformer must never be left open during operation.;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)
YDBH0.66-8IV	5A~60A	5A 1A	0.1VA 0.2VA 2.5VA	0.5 1.0	66×86×30

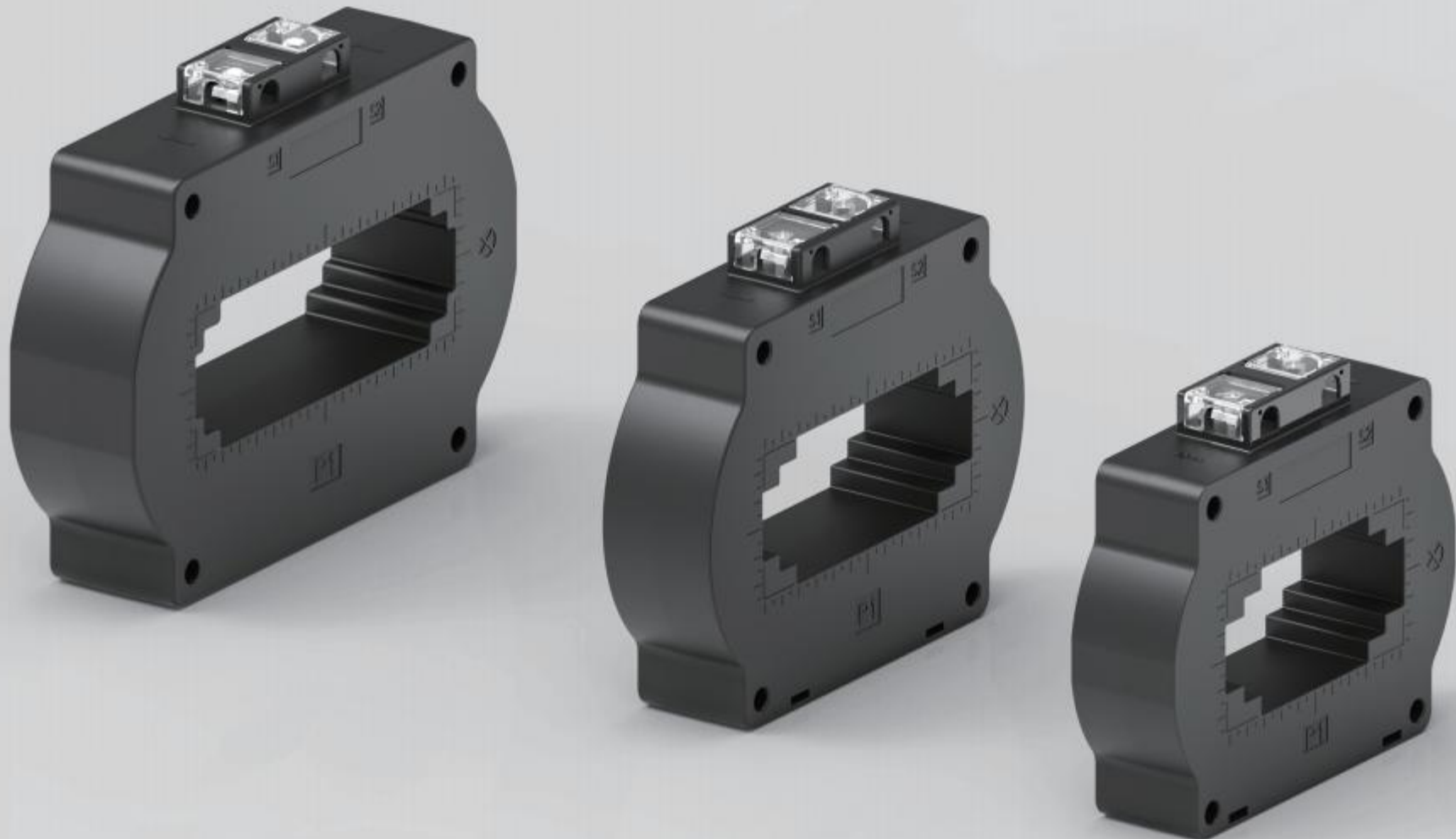


High-Current Special Current Transformer

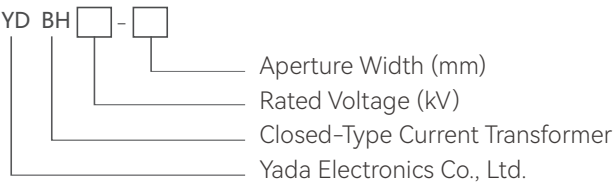
Integrity and Elegance –
Humble and Open-Minded

YDBH1.2 Series

Suitable for Wind Power and Various
Low-Voltage Distribution Systems



Product Model Description



Product Features

- Primary current from 1000A to 6300A, secondary current 5A or 1A, available in three specifications, suitable for demanding applications such as wind power systems;
- Innovative structure designed to address the effects of primary return conductors, eccentric placement, phase-to-phase interference, and high-current accuracy issues; offers strong anti-interference capability and stable high accuracy;
- Housing made of high-impact, flame-retardant PC material, ensuring excellent safety performance and aesthetic design;
- Flip-top transparent terminal cover for easy wiring;
- Complies with GB/T 20840.2-2014 "Current Transformers" technical standard;

Operating Conditions

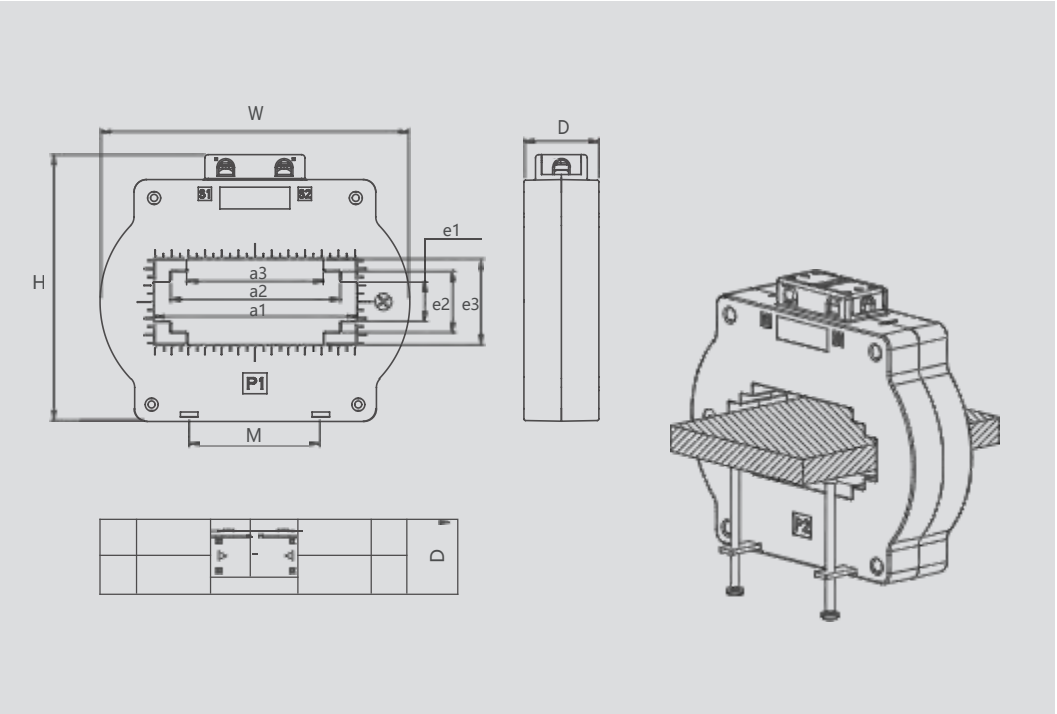
- Operating Temperature: -40°C~120°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 1.2kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground)

Precautions

- The current transformer is intended for use in AC circuits with a rated voltage not exceeding 1.2kV, and the long-term operating current should not exceed 1.2 times the rated current.;
- The product is of subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2.;
- Measuring instruments should be connected to the S1 and S2 terminals. The total impedance of all instruments (including wiring) connected to the secondary circuit should not exceed the rated burden of the current transformer.;
- The secondary circuit must never be open while the current transformer is in operation.

Technical Specifications / Dimensions

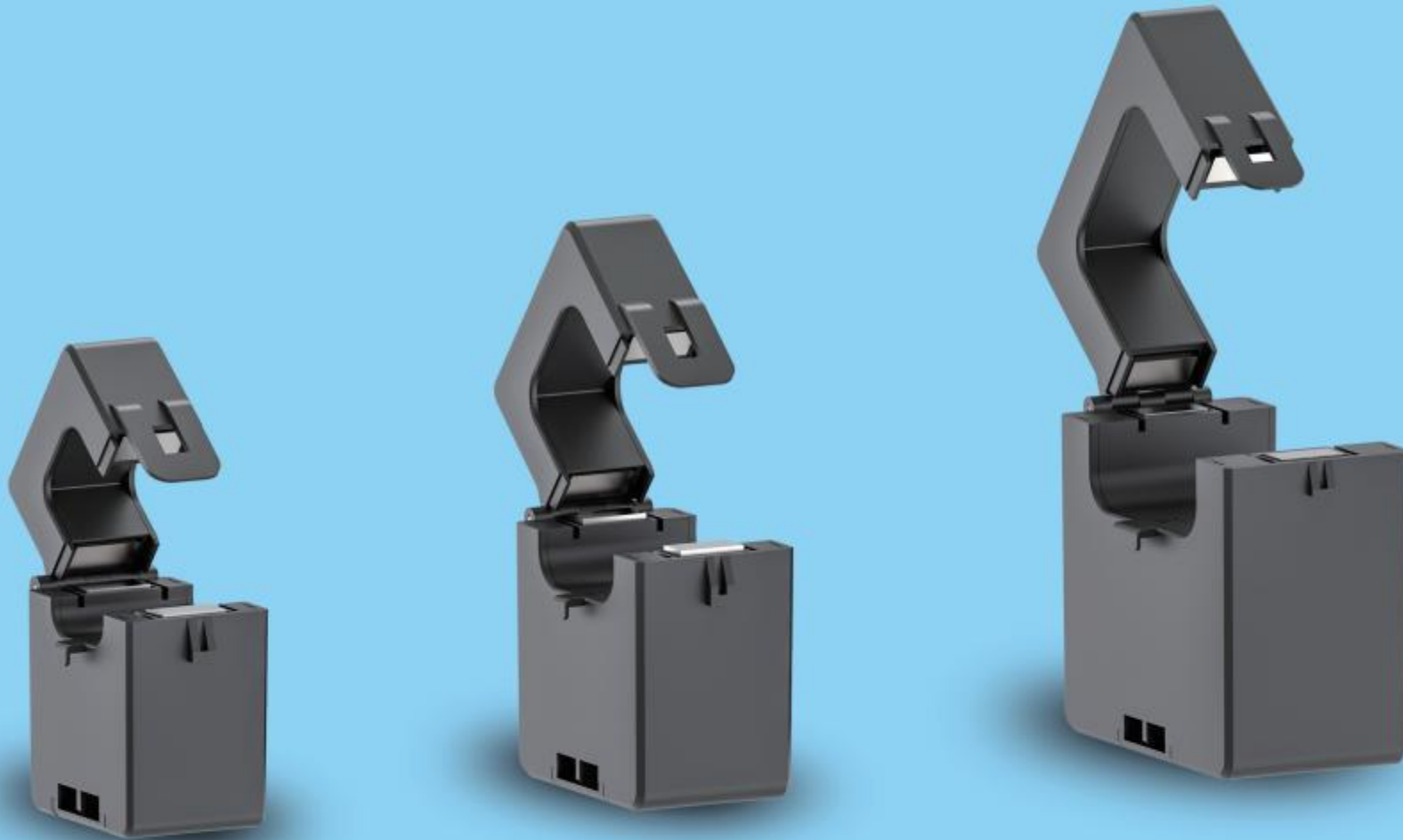
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)									
					W	H	D	a1	a2	a3	e1	e2	e3	M
YDBH1.2-100	1000A 4000A	5A 1A	15VA ~ 40VA	0.1 0.2 0.2S	166	143	43	104	82	62	24	37	52	90
YDBH1.2-120	2000A 5000A				186	160	45	122	102	82	24	37	52	79
YDBH1.2-150	2000A 6300A				227	170	52	151.5	141.5	122	22	37	52	/



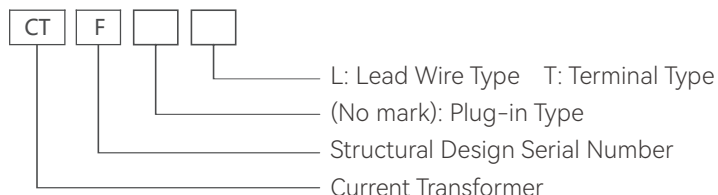
Split-Core Current Transformer

CTF Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Primary current: 100A~1000A; Secondary current: 5A or 1A; Complete specifications available with accuracy classes of 0.5, 1.0, and 3.0;
- Designed for rapid installation and removal without disconnecting or disassembling cables, suitable for energy data acquisition and monitoring;
- Core is treated with high-vacuum annealing, ensuring excellent performance, stable accuracy, and high sensitivity;
- Housing is made of high-impact, flame-retardant PA material, offering high safety and an attractive appearance;
- Clamp-type split-core structure enables easy installation;
- Complies with GB/T 20840.2-2014 technical standard for current transformers;

Operating Conditions

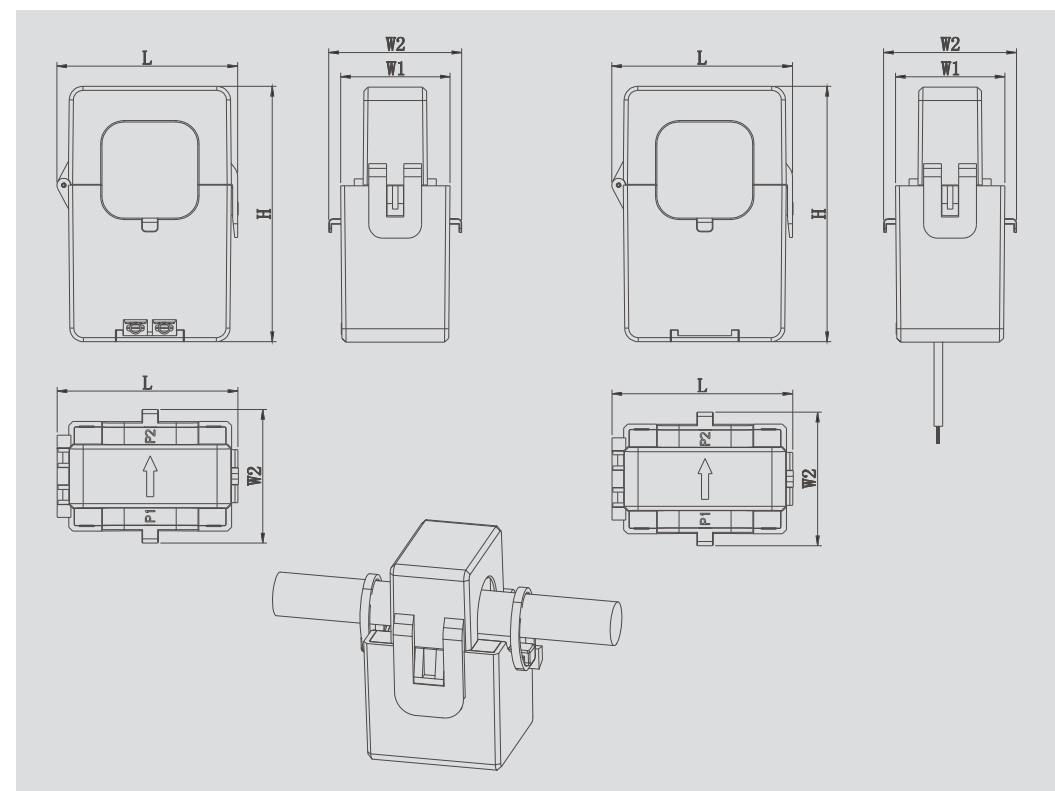
- Operating Temperature: -40°C~70°C ● Relative Humidity: 10%~95%
- Altitude: ≤4000m ● Rated Voltage: 0.66kV ● Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a rated voltage not exceeding 0.66kV, and the long-term operating current should not exceed the rated value;
- The product has subtractive polarity; the primary terminals are marked P1 and P2, and the corresponding secondary terminals are marked S1 and S2;
- Measuring instruments should be connected to the S1 and S2 terminals. The total impedance of the external circuit connected to the secondary winding (including wiring) should not exceed the rated burden;
- The secondary circuit of the current transformer must not be open during operation;
- After the transformer is opened and closed again, the magnetic core must be properly aligned and in good contact; otherwise, measurement accuracy may be affected;

Technical Specifications / Dimensions

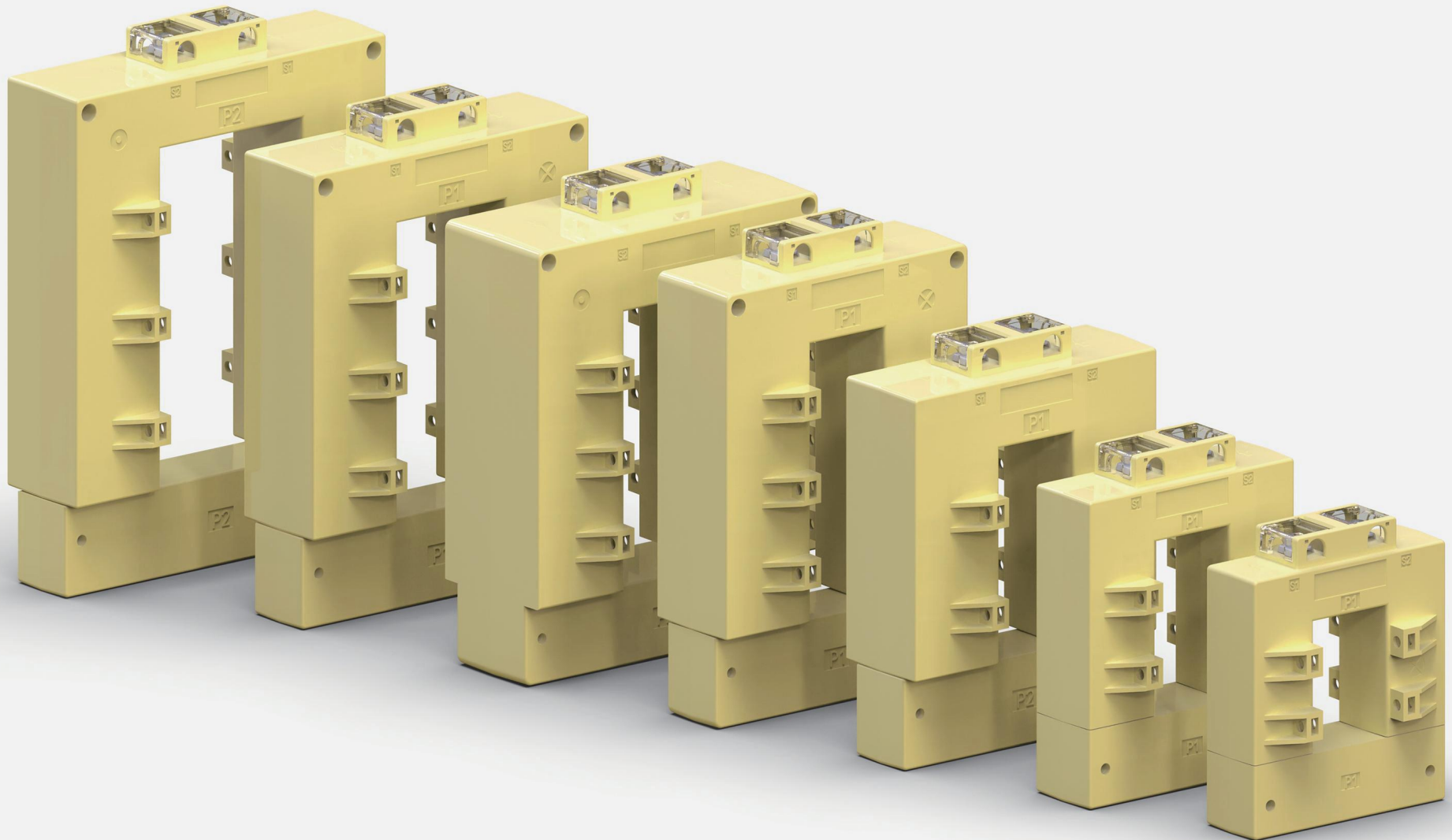
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				Hole Diameter Φ (mm)
					L	H	W1	W2	
CTF24T CTF24L	100A~300A	5A 1A	0.5VA ~ 5VA	0.5 1.0	55	79.5	38	46.5	24
CTF35T CTF35L	200A~800A				66	93	40	48.6	35
CTF50T CTF50L	300A~1000A				87	116	47.5	56.5	50



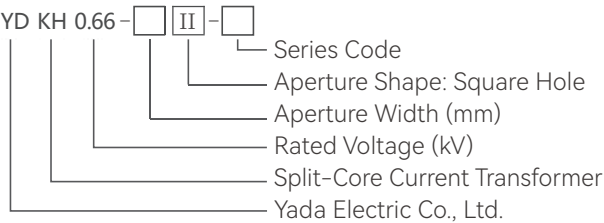
Split-Core Current Transformer

Integrity and Elegance –
Humble and Open-Minded

YDKH0.66-II Series



Product Model Description



Product Features

- Primary current range: 200A~5000A; secondary current: 5A or 1A; full range of specifications available with accuracy classes 0.2, 0.5, and 1.0.
- Suitable for quick installation and removal without disconnecting or cutting wires; ideal for energy metering and monitoring applications.
- Core material undergoes high vacuum heat treatment for excellent performance and stable accuracy.
- Housing made of high-impact, flame-retardant PC material, offering high safety and an attractive appearance.
- Flip-type transparent terminal cover for convenient wiring.
- Easy installation with clamping plate fixation.
- Performance complies with GB/T 20840.2-2014 standard for current transformers.

Operating Conditions

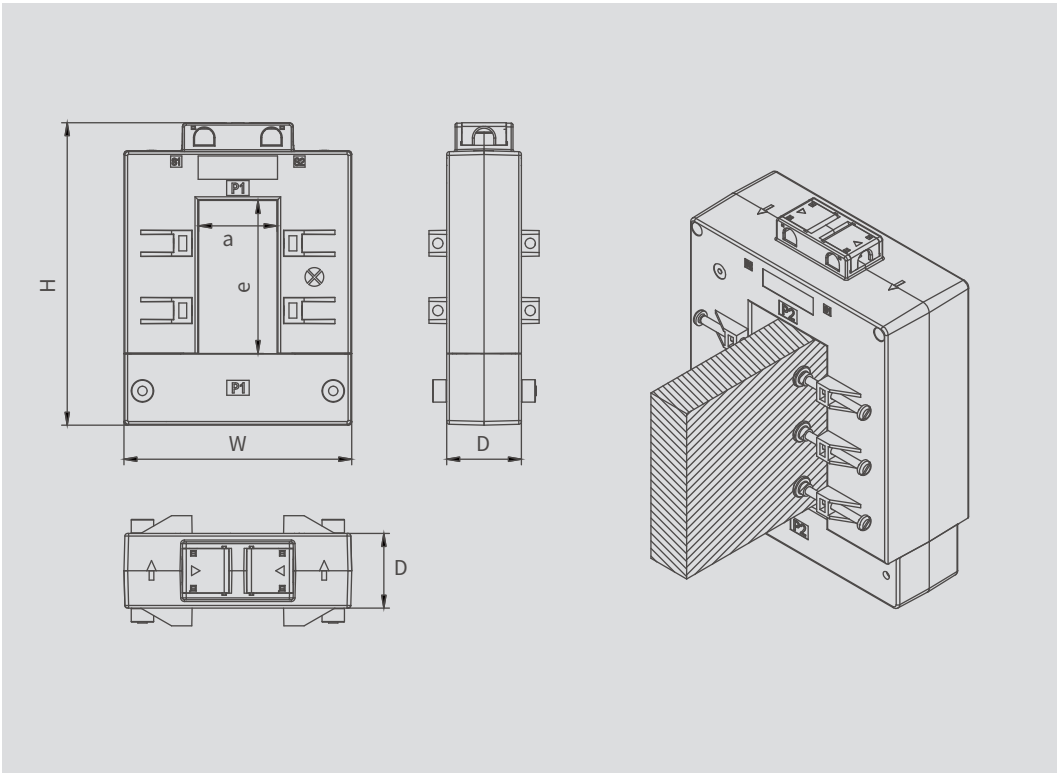
- Operating Temperature: -40°C~120°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is intended for use in AC circuits with a rated voltage not exceeding 0.66kV. The continuous operating current should not exceed the rated value. When the primary current is ≥4000A, to avoid interphase current interference, the continuous operating current should not exceed 70% of the rated current. If continuous operation at the rated current is required, the center distance between copper bars should not be less than the width of the transformer (dimension W in the outline drawing).
- The product is of subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2.
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed the rated burden.
- The secondary circuit of the current transformer must not be left open during operation.
- After the transformer is opened and reclosed, the magnetic core must be properly closed and in full contact to avoid affecting measurement accuracy.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				
					W	H	D	a	e
YDKH0.66-60×40 II -B	200A~1500A	5A 1A	1.5VA ~ 15VA	0.2 0.5 1.0	114	139	36	42	62
YDKH0.66-80×40 II -B	300A~2500A				122	162	40	42	82
YDKH0.66-100×40 II -B	600A~4000A				144	194	52	42	102
YDKH0.66-130×40 II -B	1000A~5000A				144	224	52	42	132
YDKH0.66-130×60 II -B	1000A~5000A				167	225	70	62	132
YDKH0.66-140×60 II -B	1000A~5000A				164	234	52	62	142
YDKH0.66-160×80 II -B	1000A~5000A				184	254	52	82	162



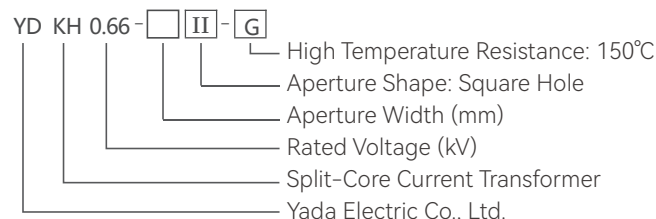
Split-Core Current Transformer

YDKH0.66- II High-Temperature Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Primary current range: 250A~6000A; secondary current: 5A or 1A; full range of specifications available with accuracy classes of 0.2, 0.5, and 1.0.
- Designed for quick installation and removal without disconnecting or dismantling cables; suitable for power measurement and monitoring.
- The core is treated with high vacuum heat processing, ensuring excellent performance, stable accuracy, and high sensitivity.
- The enclosure is made of high-impact, flame-retardant, and high-temperature resistant (150°C) material, offering good safety and an attractive appearance.
- Flip-type transparent terminal cover for easy wiring.
- Easy installation with pressure plate mounting.
- Compliant with the GB/T 20840.2-2014 technical standard for current transformers.

Operating Conditions

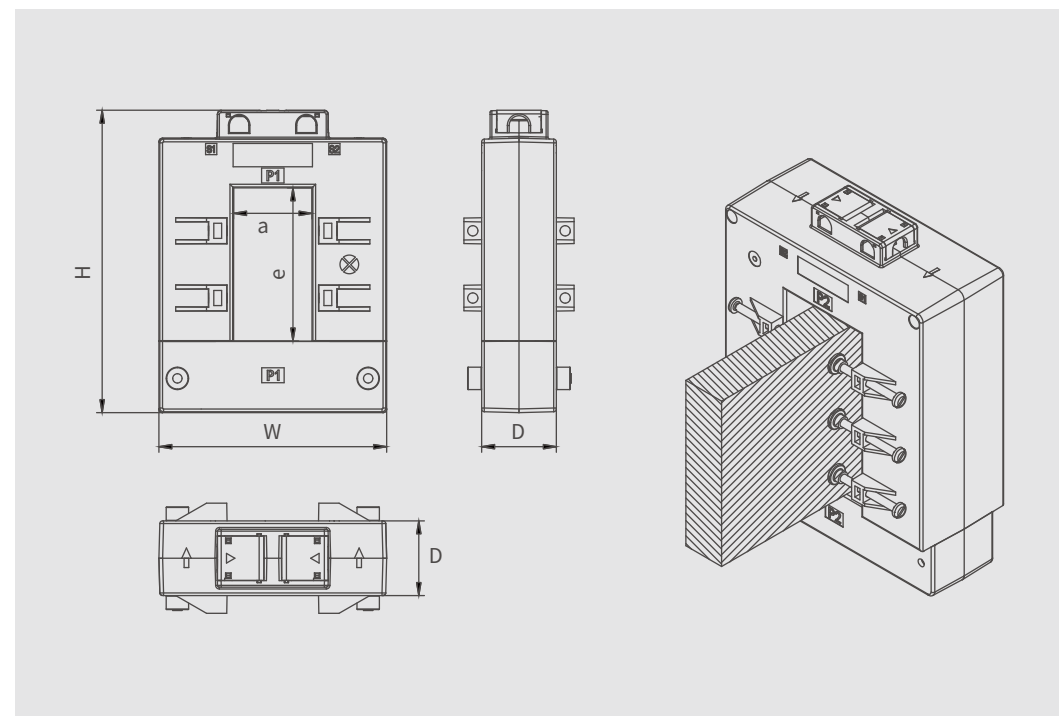
- Operating Temperature: -40°C~120°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m
- Rated Voltage: 0.66kV
- Rated Frequency: 50Hz
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The transformer is used in AC circuits with a rated voltage not exceeding 0.66kV. The continuous operating current must not exceed the rated current. When the primary current is ≥4000A, to avoid the influence of inter-phase current, the continuous operating current should not exceed 70% of the rated current. If the continuous operating current needs to reach the rated current, the center distance of the copper busbars should be no less than the width of the transformer (dimension W in the outline drawing).
- The product has reduced polarity, with primary wiring marked as P1 and P2, and corresponding secondary wiring marked as S1 and S2.
- The measuring instrument is connected to terminals S1 and S2. The total impedance of the instrument connected to the secondary winding circuit (including wiring) must not exceed the rated load of the transformer.
- The current transformer must never have its secondary circuit opened during operation.
- When the transformer is opened and then closed again, the magnetic core must be properly contacted; otherwise, the accuracy of the transformer will be affected.

Technical Specifications / Dimensions

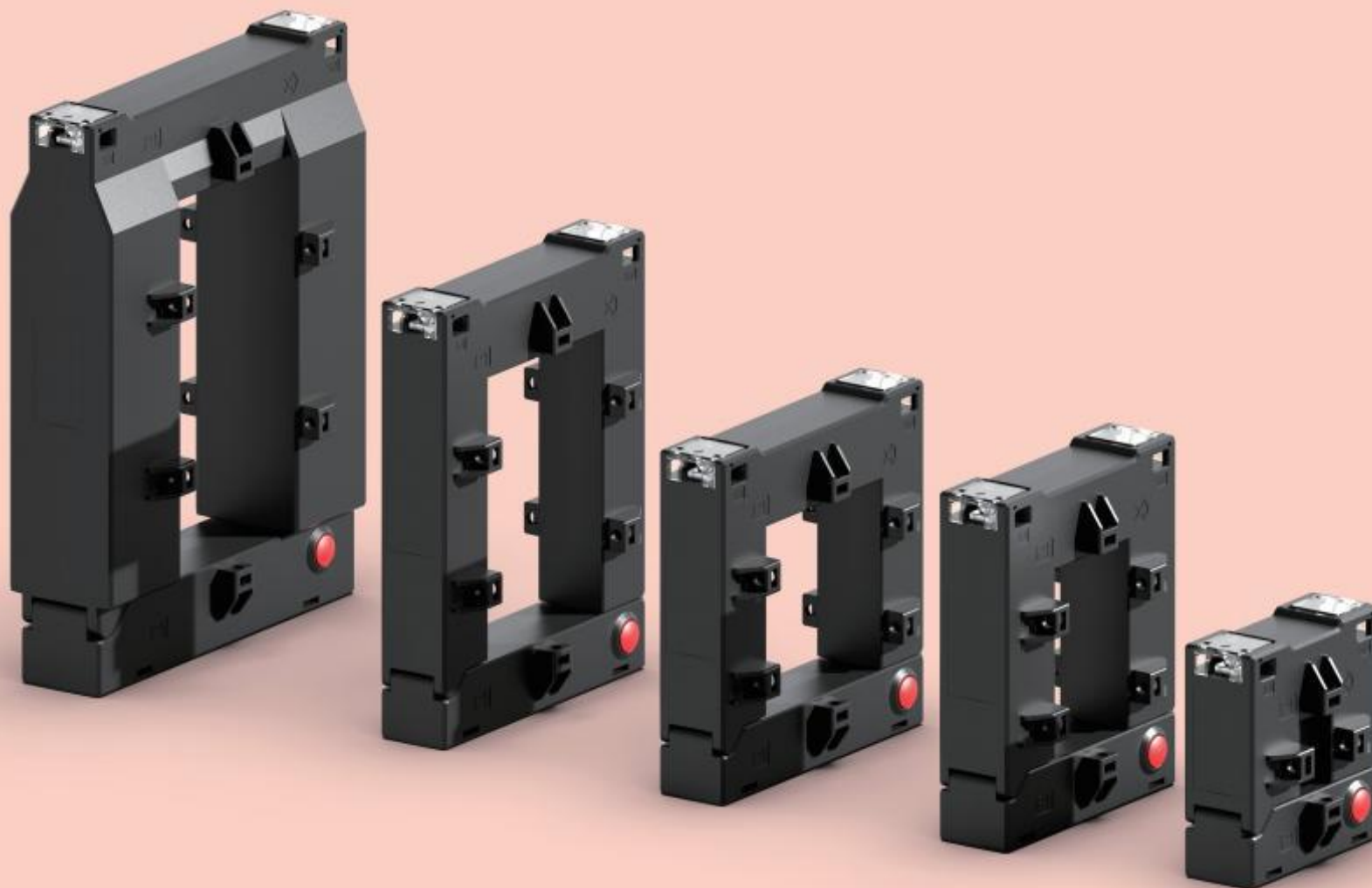
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				
					W	H	D	a	e
YDKH0.66-60×40 II -G	200A~1500A	5A 1A	1.5VA ~ 15VA	0.2 0.5 1.0	114	139	36	42	62
YDKH0.66-80×40 II -G	300A~3000A				122	162	40	42	82
YDKH0.66-100×40 II -G	600A~4000A				144	194	52	42	102
YDKH0.66-130×40 II -G	1000A~5000A				144	224	52	42	132
YDKH0.66-130×60 II -G	1000A~6000A				167	225	70	62	132
YDKH0.66-140×60 II -G	1000A~5000A				164	234	52	62	142
YDKH0.66-160×80 II -G	1000A~5000A				184	254	52	82	162



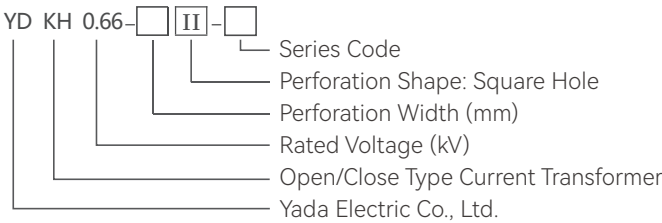
Snap-Fit Split-Core Current Transformer

Integrity and Elegance –
Humble and Open-Minded

YDKH0.66- II Snap-Fit Series



Product Model Description



Product Features

- Primary current: 250A~5000A; secondary current: 5A or 1A; complete range of specifications; accuracy classes: 0.2, 0.5, 1.0;
- Suitable for quick installation and removal without power interruption or disconnection; used for energy metering and monitoring;
- Iron core undergoes high vacuum heat treatment, ensuring excellent performance and stable accuracy;
- Housing made of high-impact, flame-retardant PC material, offering good safety and an attractive appearance;
- Equipped with a flip-type transparent terminal cover for easy wiring;
- Snap-open structure for easy installation, fixed with a pressure plate;
- Complies with GB/T 20840.2-2014 “Current Transformers” technical standard.

Operating Conditions

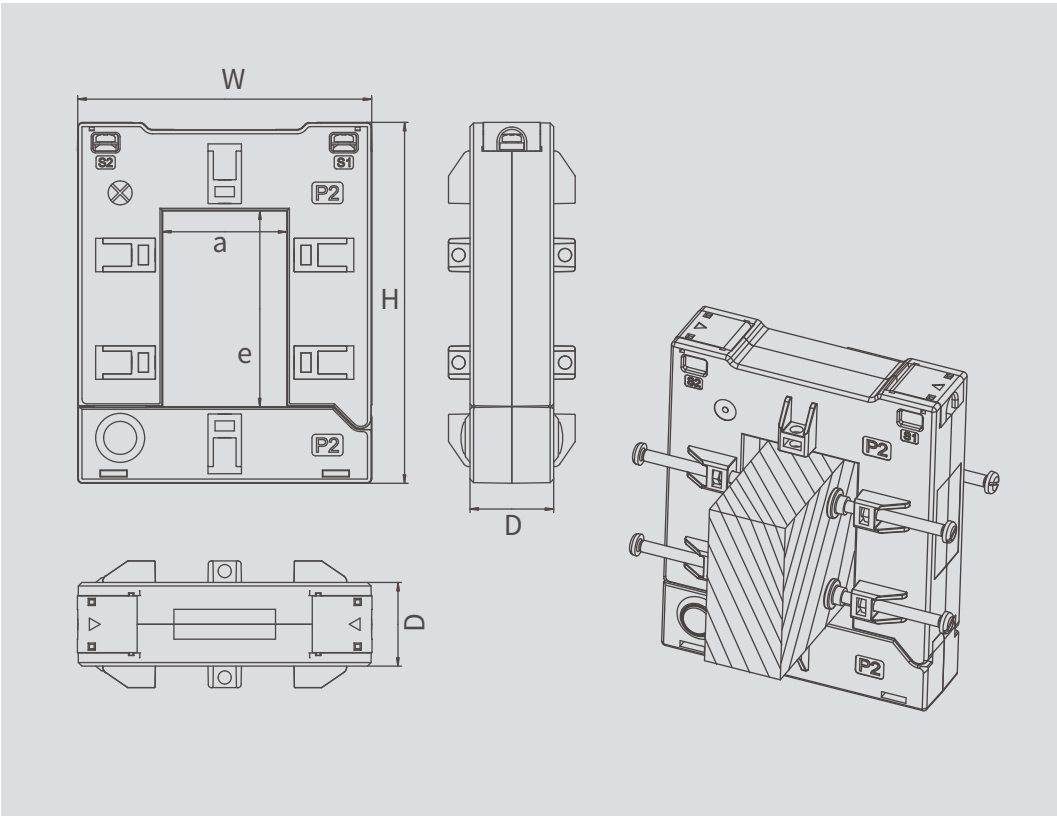
- Operating temperature: -40°C to 120°C
- Relative humidity: 10% to 95%
- Altitude: ≤4000m
- Rated voltage: 0.66kV
- Rated frequency: 50Hz
- Isolation withstand voltage: AC 3.0kV/min (secondary to ground)

Precautions

- The current transformer is used in AC circuits with a rated voltage not exceeding 0.66kV. The continuous operating current must not exceed the rated current. When the primary current is ≥4000A, to avoid inter-phase current interference, the continuous operating current should not exceed 70% of the rated current. If the continuous operating current needs to reach the rated value, the center distance of the busbars must be no less than the width of the transformer (dimension W in the outline drawing).
- The product is of subtractive polarity, with primary wiring marked P1 and P2, and corresponding secondary wiring marked S1 and S2.
- The measuring instrument is connected to terminals S1 and S2. The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed its rated burden.
- It is strictly forbidden to open the secondary circuit of the current transformer while it is operating.
- When the transformer is reopened and then closed, the magnetic core contact must be intact, otherwise the accuracy of the transformer will be affected.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				
					W	H	D	a	e
YDKH 0.66-30×20II	100A~400A	5A 1A	1.5VA ~ 15VA	0.2 0.5 1.0	93	101	35	22	32
YDKH 0.66-80×50II	300A~1200A				123	151	35	52	82
YDKH 0.66-80×80II	300A~1200A				146	149	33	82	82
YDKH 0.66-120×80II	500A~1500A				146	189	33	82	122
YDKH 0.66-160×80II	1000A~5000A				186	246	52	82	162

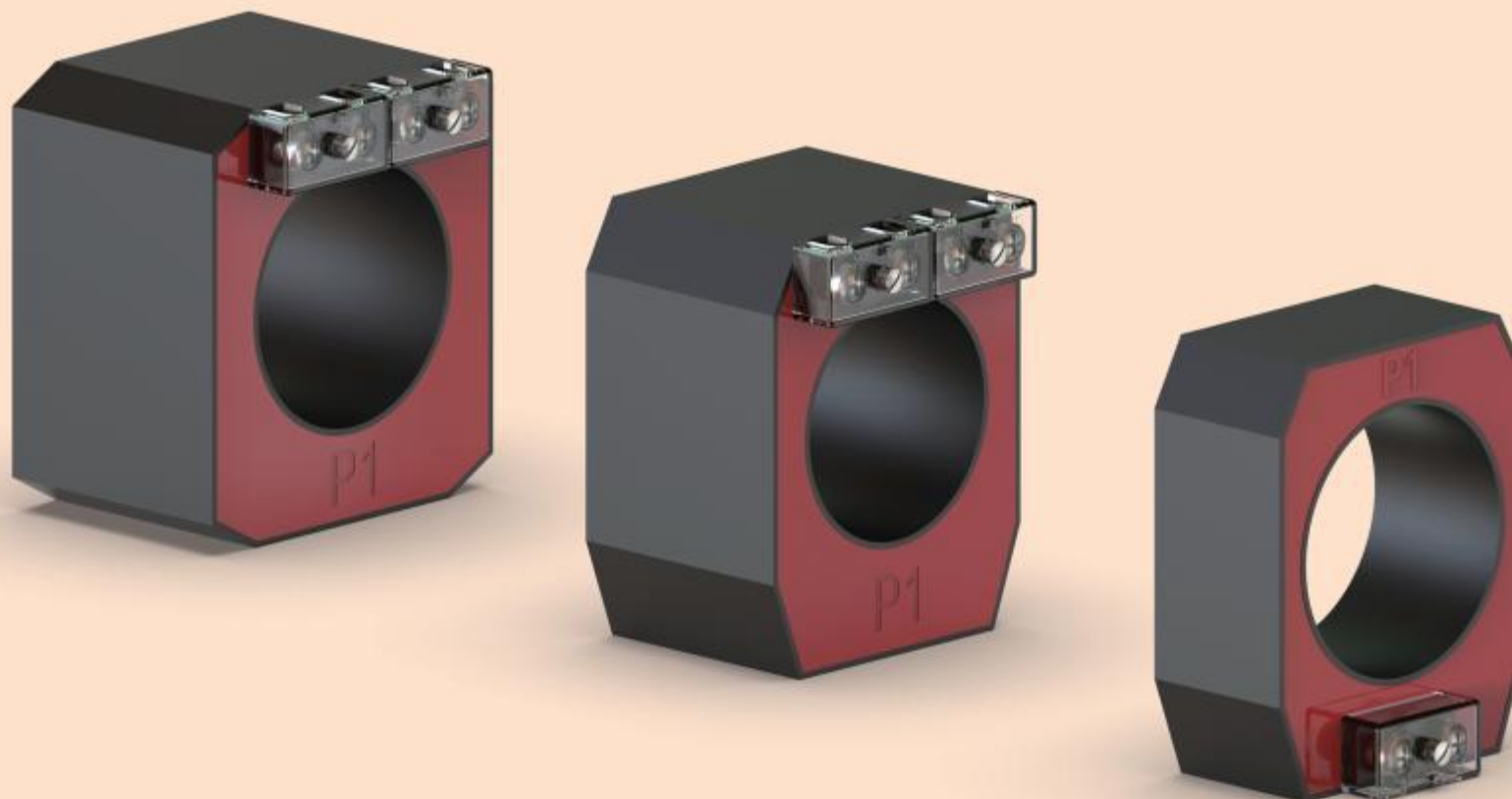


Bushing-Type Current Transformer

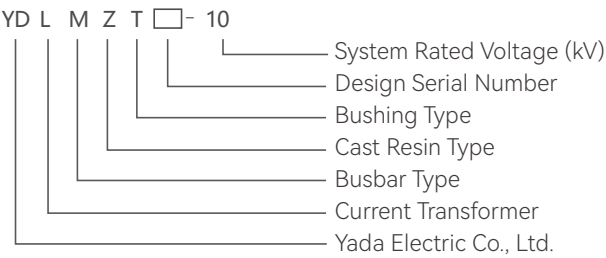
Integrity and Elegance –
Humble and Open-Minded

YDLMZT Series

Suitable for Gas-Insulated Switchgear (GIS), Ring Main Units (RMU), and Similar Systems



Product Model Description



Product Features

- Primary current 75A~800A, secondary current 5A or 1A, complete range of specifications;
- Suitable for current measurement, metering, and microcomputer protection in 10kV gas-insulated switchgear and other power system equipment;
- The iron core is treated by high vacuum heat treatment, offering excellent performance and stable accuracy;
- The enclosure is made of high-impact, flame-retardant PC material, providing good safety and an attractive appearance;
- The base is equipped with mounting inserts for easy on-site installation and fixing;
- Performance complies with GB/T 20840.2-2014 “Current Transformers” technical standards.

Operating Conditions

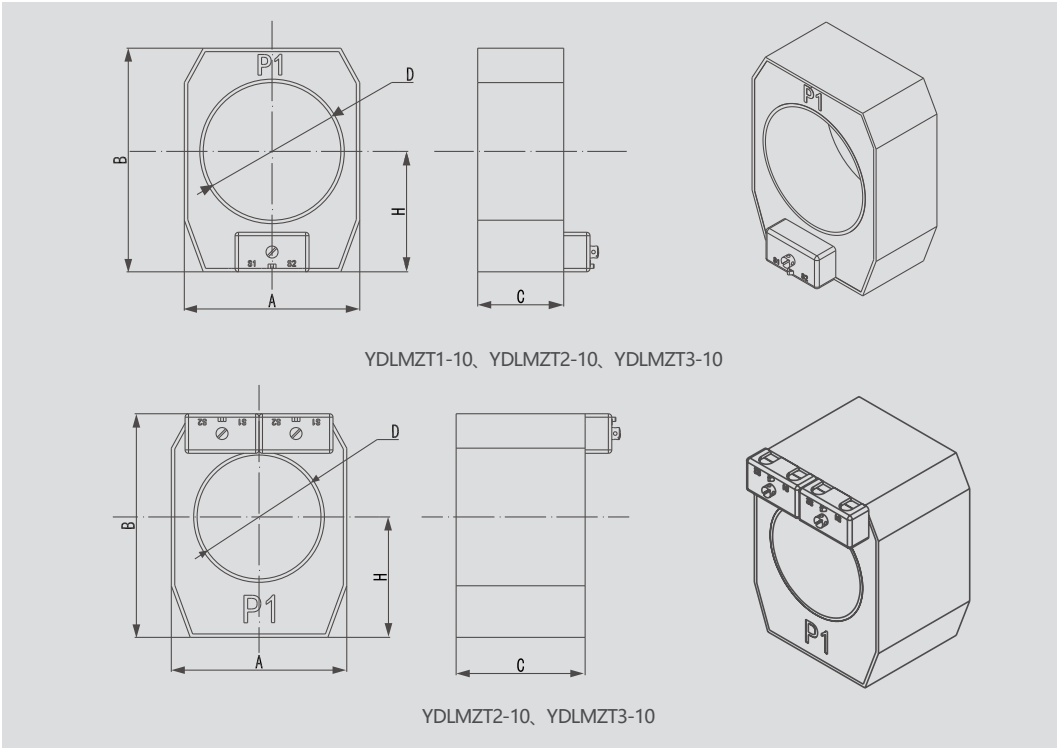
- Operating temperature: -40°C to 70°C
- Relative humidity: 10% to 95%
- Altitude: ≤ 4000m
- Rated voltage: 3~10kV
- Rated frequency: 50Hz
- Isolation withstand voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a system rated voltage not exceeding 10kV, and the long-term operating current shall not exceed the rated value;
- The conductor passing through the core of the transformer must be a high-voltage insulated busbar cable or busbar bushing;
- The product is reverse polarity type, with primary wiring terminals marked P1, P2, and corresponding secondary terminals marked S1, S2;
- Measurement instruments are connected to terminals S1 and S2. The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed the rated load;
- The secondary circuit of the current transformer must never be opened while in operation.;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				
					A	B	C	D	H
YDLMZT1-10	75A~800A	5A 1A	1VA~5VA	0.2、0.2S 0.5、0.5S	102	130	50	80	70
YDLMZT2-10	75A~800A		1VA~10VA	0.2/(10P10) 0.2S/(10P10) 0.5/(10P10) 10P10	102	130	75	72	70
YDLMZT3-10	75A~800A				116	130	80	78	67.5

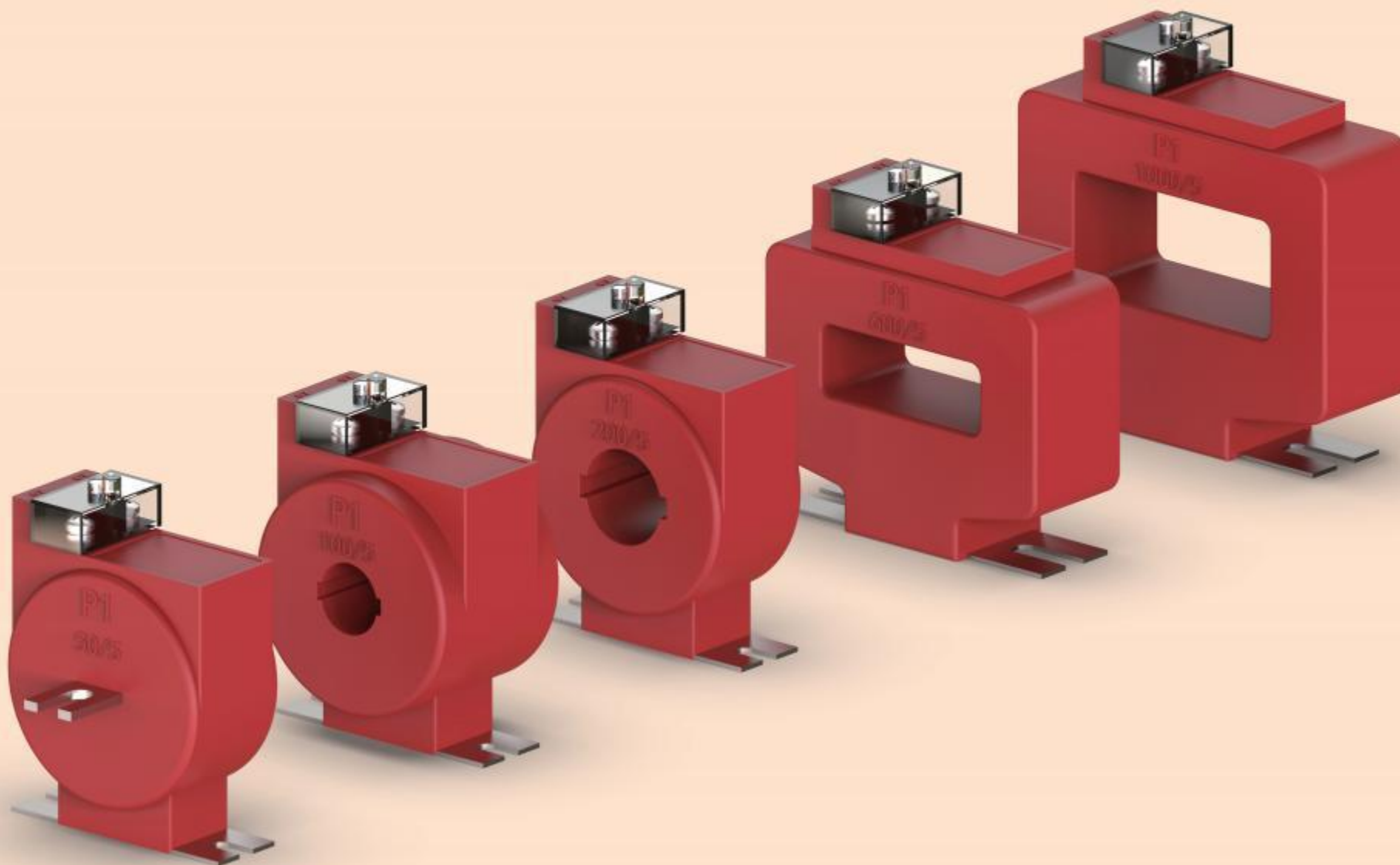


Low-Voltage Current Transformer for Power Metering

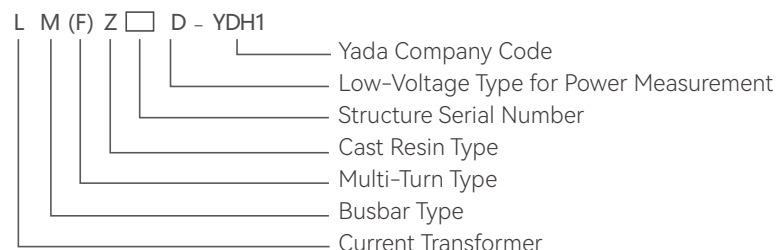
Integrity and Elegance –
Humble and Open-Minded

LM (F) ZD Series

Suitable for State Grid Low-Voltage Metering Systems



Product Model Description



Product Features

- Primary current: 5A to 3000A; secondary current: 5A or 1A; complete range of specifications;
- Suitable for current measurement and metering in complete equipment of power systems with rated voltage of 0.66kV and below;
- The iron core is processed by high vacuum heat treatment, offering excellent performance and stable accuracy;
- Manufactured by one-time casting with unsaturated resin, providing good safety performance and attractive appearance;
- Mounted securely with a zinc-plated installation base plate for enhanced stability and reliability;
- Performance complies with GB/T 20840.2-2014 "Current Transformers" and Q/GDW1572-2014 "Technical Specification for Low-Voltage Current Transformers for Metering" standards.

Operating Conditions

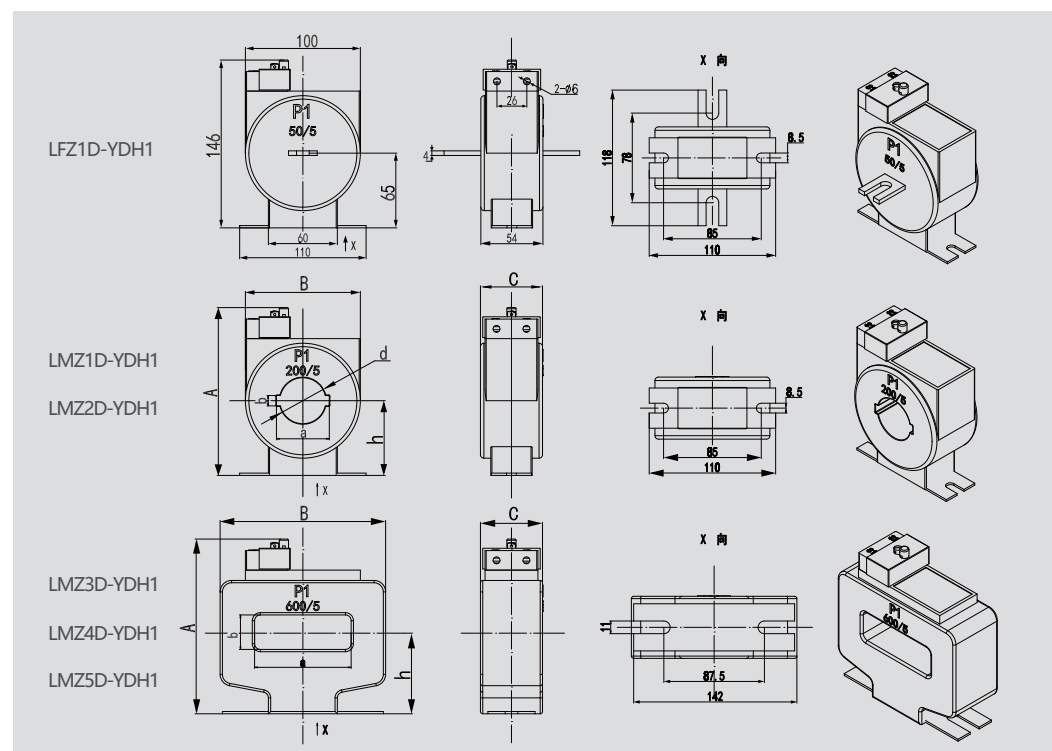
- Operating temperature: -40°C to 70°C
- Relative humidity: 10% to 95%
- Altitude: ≤ 4000m
- Rated voltage: 3-10kV
- Rated frequency: 50Hz
- Isolation withstand voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a system rated voltage not exceeding 0.66 kV, and the continuous operating current shall not exceed the rated value;
- The product has reduced polarity, with primary wiring marked P1 and P2, and corresponding secondary wiring marked S1 and S2;
- The measuring instrument is connected to terminals S1 and S2. The total impedance of the external circuit connected to the secondary winding (including wiring) shall not exceed its rated load;
- It is strictly forbidden to open the secondary circuit of the current transformer while it is in operation;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)							
					A	B	C	h	a	b	d	
LFZ1D-YDH1	5A~60A	5A 1A	2.5VA ~ 5VA	0.2 0.2S 0.5 0.5S	/	/	/	/	/	/	/	
LMZ1D-YDH1	75A~150A				146	100	74	67	34	7	30	
LMZ2D-YDH1	200A-500A				146	100	54	67	46	9	40	
LMZ3D-YDH1	600A-800A		3.75VA ~ 10VA		152	144	54	71	84	30	/	
LMZ4D-YDH1	1000A-1500A				172	164	54	81	104	50	/	
LMZ5D-YDH1	2000A-3000A				172	184	54	81	124	50	/	

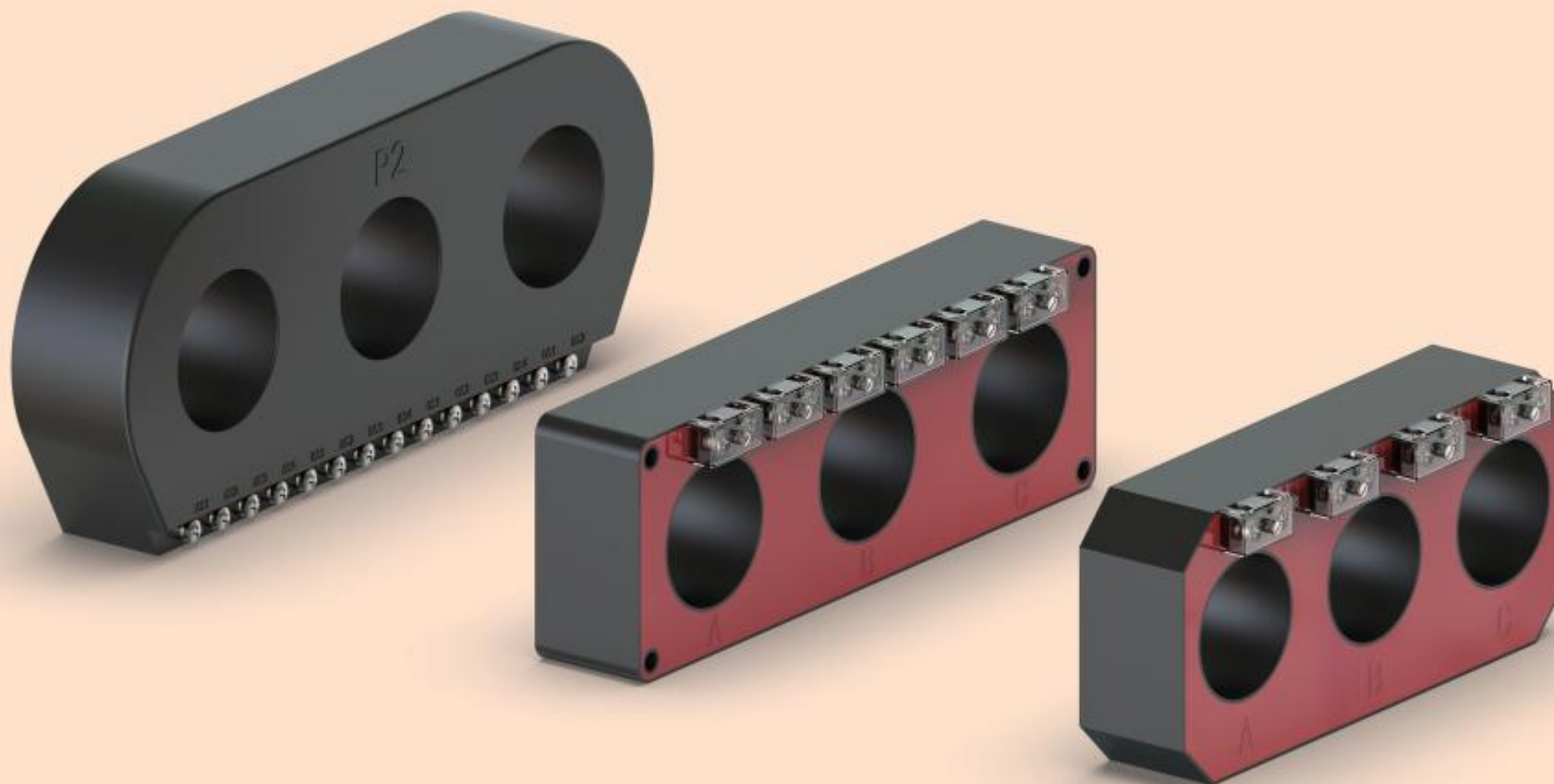


Three-Phase Current Transformer

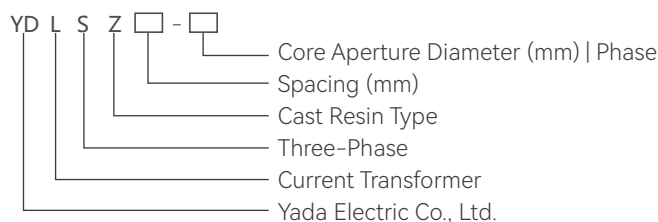
Integrity and Elegance –
Humble and Open-Minded

YDLSZ Series

Suitable for Ring Main Units (RMU), Pole-Mounted
Switches, and Similar Systems



Product Model Description



Product Features

- Primary current: 100A to 800A; secondary current: 5A or 1A; complete range of specifications;
- Suitable for measuring three-phase current and zero-sequence current in ring main units and pole-mounted switches, as well as for microcomputer protection;
- The iron core is treated with high vacuum heat treatment, ensuring excellent performance and stable accuracy;
- The housing is made of high-impact, flame-retardant PC material, providing good safety performance and an attractive appearance;
- The base is equipped with mounting inserts for easy on-site installation and fixing;
- Performance meets the GB/T 20840.2-2014 "Current Transformers" technical standard.

Operating Conditions

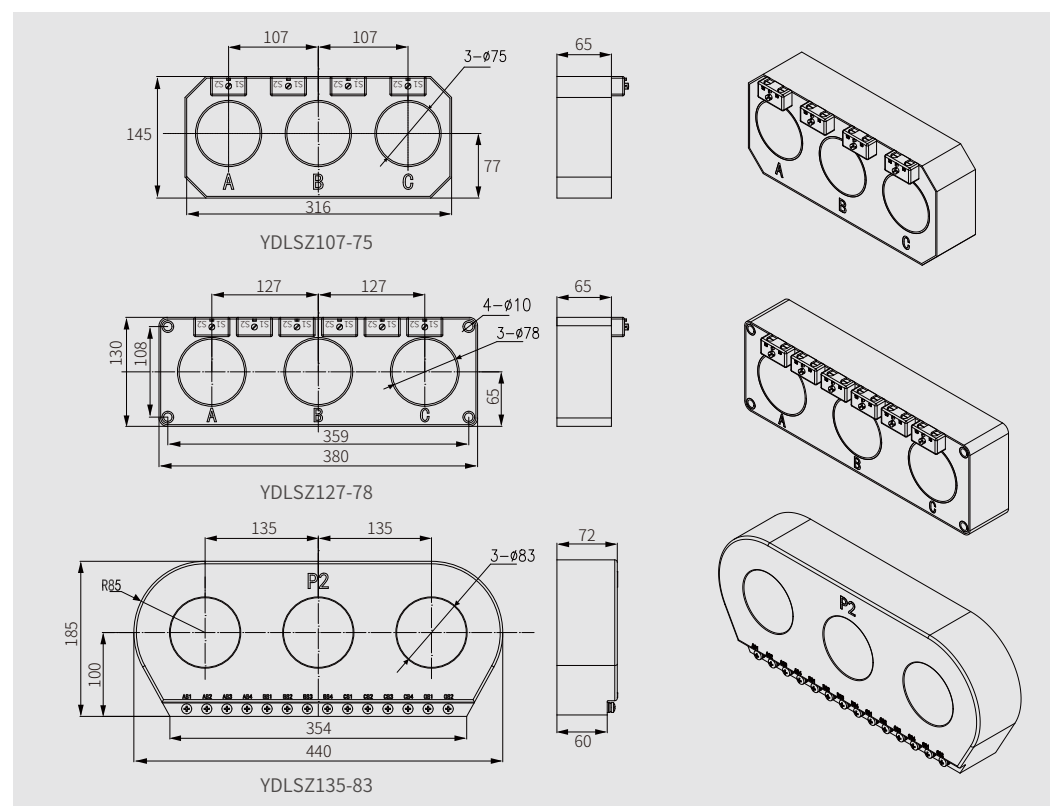
- Operating temperature: -40°C~70°C ● Relative humidity: 10%~95%
- Altitude: ≤4000m ● Rated voltage: 3-10kV ● Rated frequency: 50Hz
- Insulation withstand voltage: AC 3.0 kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a system rated voltage not exceeding 10kV, and the long-term operating current must not exceed the rated value;
- The through-core part of the transformer must be a high-voltage insulated busbar cable or busbar bushing;
- The product is of subtractive polarity, with primary terminals marked as P1 and P2, and corresponding secondary terminals marked as S1 and S2;
- Measuring instruments are connected to terminals S1 and S2, and the total impedance of the instruments (including wiring) connected to the transformer's secondary winding external circuit must not exceed its rated burden;
- The current transformer's secondary circuit must never be open during operation.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)
YDLSZ107-75	100A~800A	5A 1A	1VA~10VA	0.5, 1, 3 10P10, 10P15	316×145×65
YDLSZ127-78	100A~800A				380×130×65
YDLSZ135-83	100A~800A				440×185×72

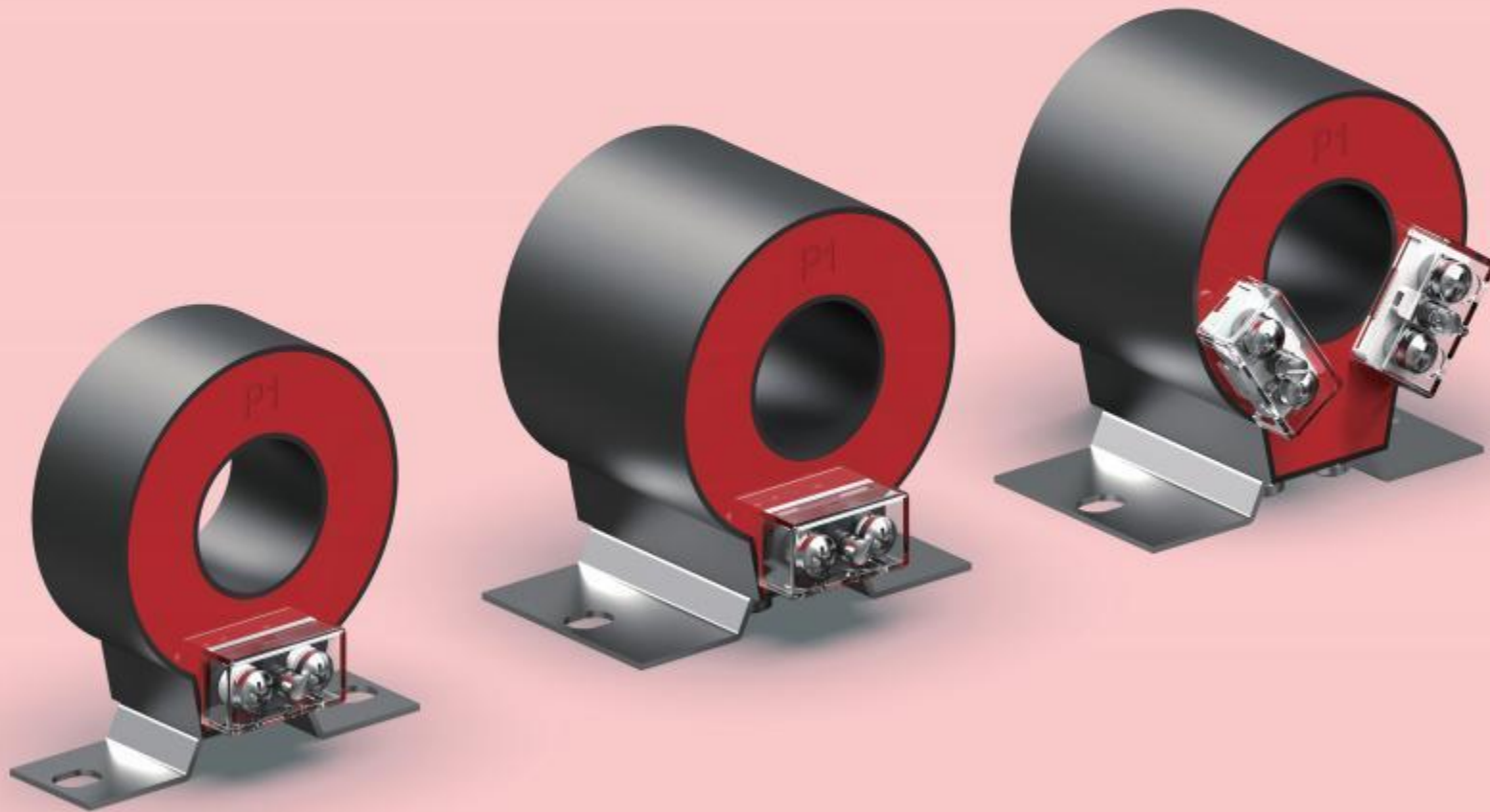


Through-Core Current Transformer

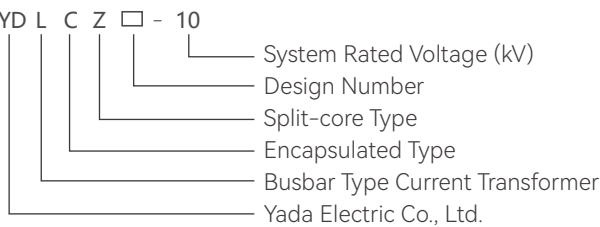
YDLCZ Series

Integrity and Elegance –
Humble and Open-Minded

Suitable for Gas-Insulated Switchgear (GIS), Ring
Main Units (RMU), and Similar Systems



Product Model Description



Product Features

- Primary current: 50A~600A, secondary current: 5A or 1A; available in a full range of specifications.
- Suitable for current measurement and microcomputer protection in ring main unit (RMU) gas-insulated switchgear.
- The core is treated with high vacuum heat treatment, offering excellent performance and stable accuracy.
- The housing is made of high-impact, flame-retardant PC material, providing good safety and an attractive appearance.
- High-precision cutting technology ensures smooth and clean cut surfaces, enhancing measurement accuracy.

Operating Conditions

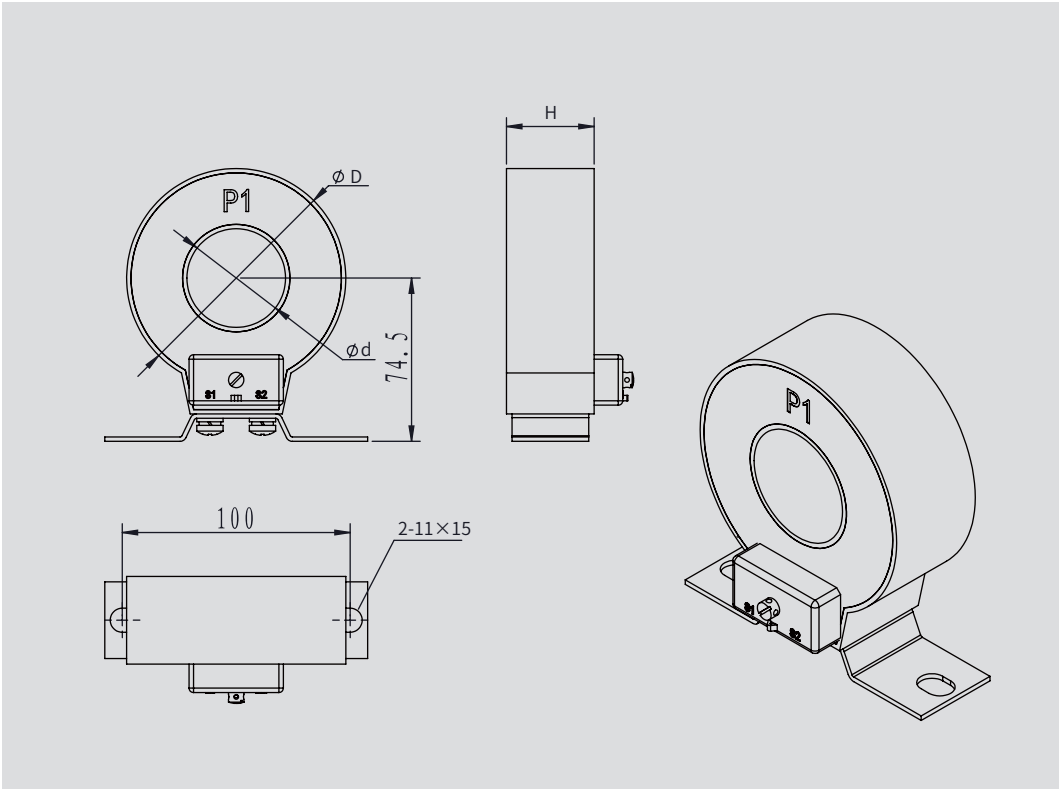
- Operating Temperature: -40℃ to 70℃
- Relative Humidity: 10% to 95%
- Altitude: ≤ 4000 meters
- Rated Voltage: 3~10kV
- Rated Frequency: 50Hz
- Dielectric Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a system rated voltage not exceeding 10kV, and the continuous operating current must not exceed the rated value;
- The through-core part of the transformer must be a high-voltage insulated bus cable or bus duct;
- The product has subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2;
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of instruments connected to the secondary winding circuit (including wiring) must not exceed the rated burden;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)		
					d	D	H
YDLCZ1-10	100A~600A	5A, 1A	2.5VA~10VA	0.2, 0.2S 0.5, 0.5S	45	100	40
YDLCZ2-10	50A~600A	5A, 1A	2.5VA~20VA	0.2, 0.2S 0.5, 0.5S 10P10, 10P5	45	100	80



Split-Core Current Transformer

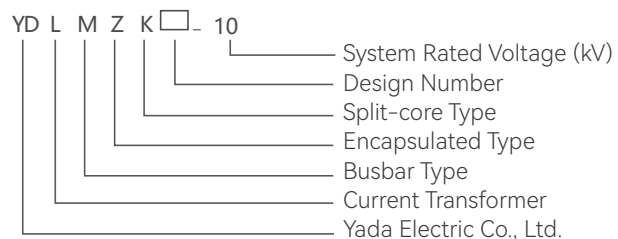
YDLMZK Series

**Integrity and Elegance –
Humble and Open-Minded**

Suitable for Gas-Insulated Switchgear (GIS),
Ring Main Units (RMU), and Similar Systems



Product Model Description



Product Features

- Primary current: 50A~600A, secondary current: 5A or 1A; available in a full range of specifications.
- Suitable for current measurement and microcomputer protection in ring main unit (RMU) gas-insulated switchgear.
- The core is treated with high vacuum heat treatment, offering excellent performance and stable accuracy.
- The housing is made of high-impact, flame-retardant PC material, providing good safety and an attractive appearance.
- High-precision cutting technology ensures smooth and clean cut surfaces, enhancing measurement accuracy.
- Clamping band opening design offers secure fastening and is convenient for on-site installation.
- Performance complies with the GB/T 20840.2-2014 "Current Transformers" technical standard.

Operating Conditions

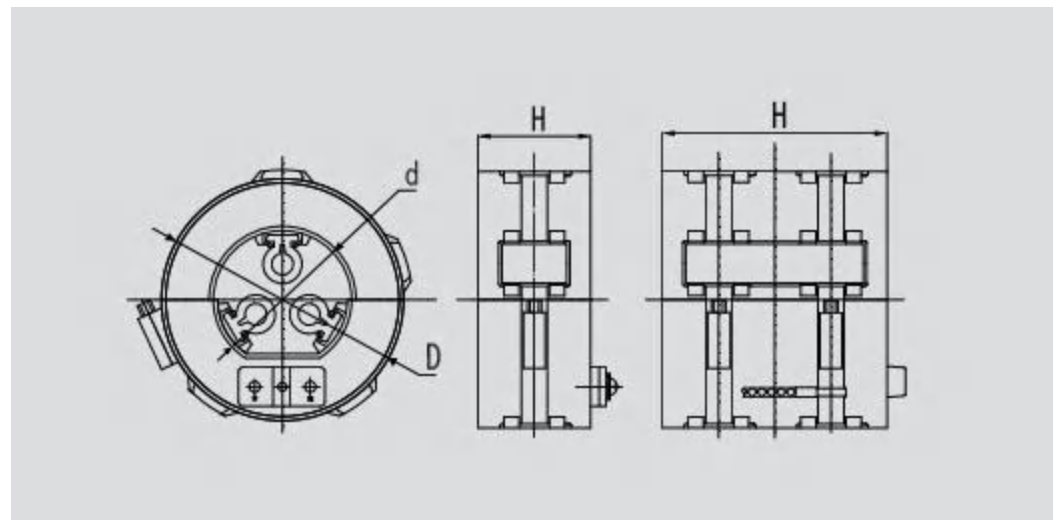
- Operating Temperature: -40°C to 70°C
- Relative Humidity: 10% to 95%
- Altitude: ≤ 4000 meters
- Rated Voltage: 3~10kV
- Rated Frequency: 50Hz
- Dielectric Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The current transformer is used in AC circuits with a system rated voltage not exceeding 10kV, and the continuous operating current must not exceed the rated value;
- The through-core part of the transformer must be a high-voltage insulated bus cable or bus duct;
- The product has subtractive polarity, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2;
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of instruments connected to the secondary winding circuit (including wiring) must not exceed the rated burden;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)		
					d	D	H
YDLMZK1-10	50A~600A	5A 1A	2.5VA ~ 5VA	0.5 1 3 10P	50	110	52
YDLMZK2-10	50A~600A				50	110	100
YDLMZK3-10	50A~600A				50	124	100
YDLMZK4-10	50A~600A				60	130	60
YDLMZK5-10	50A~600A				70	115	40
YDLMZK6-10	50A~600A				70	115	70
YDLMZK7-10	50A~600A				75	135	70
YDLMZK8-10	100A~600A				96	130	32

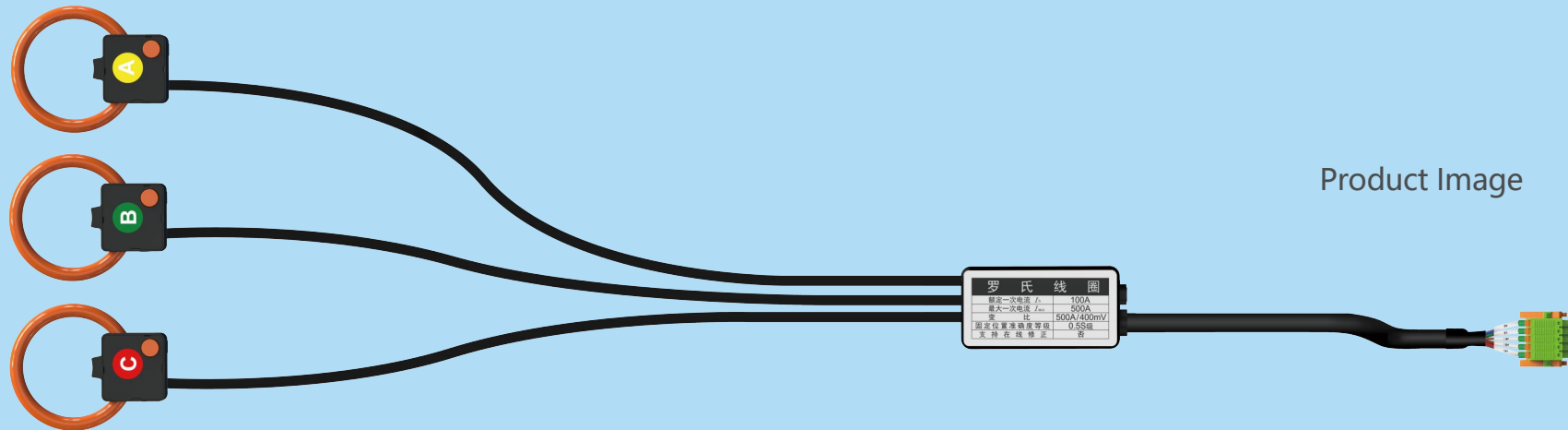


Integrity and Elegance –
Humble and Open-Minded

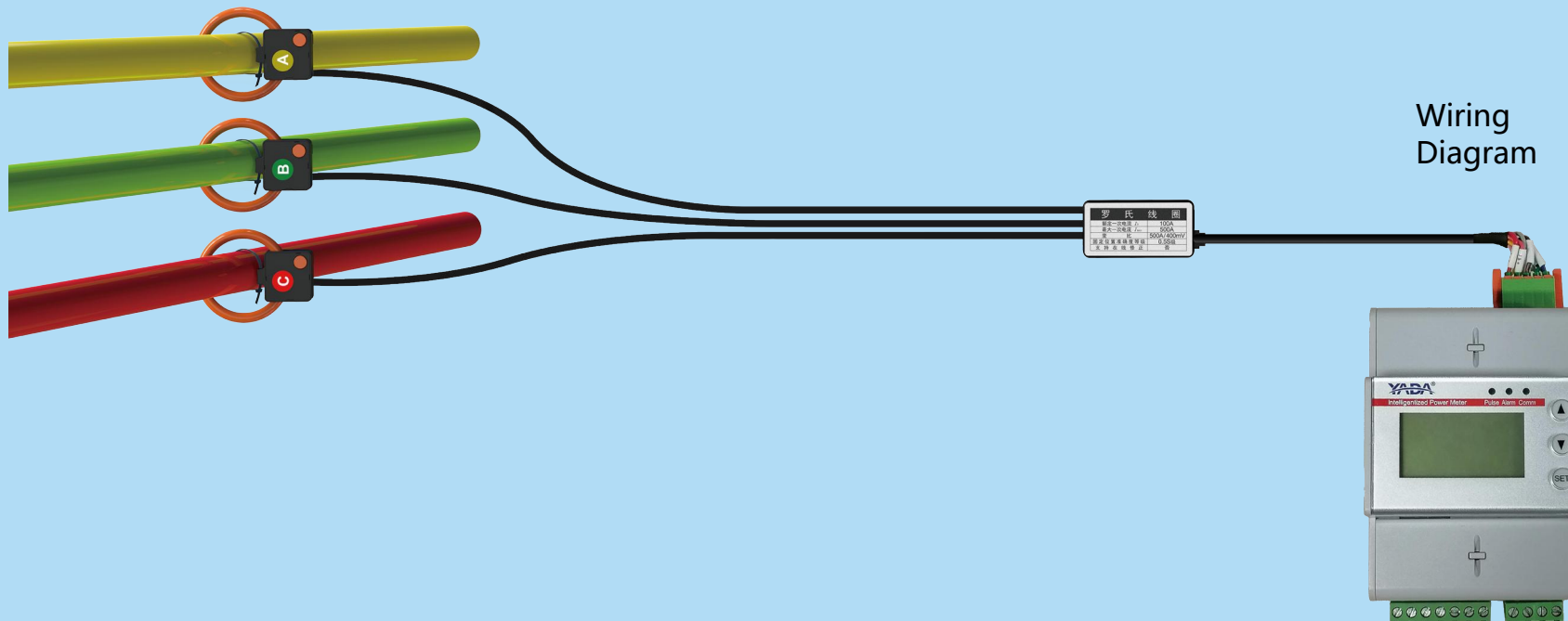
Three-Phase Combined Flexible Rogowski Coil Current Transformer

YDRS1-45

Suitable for Low-Voltage Power
Distribution Retrofit Systems

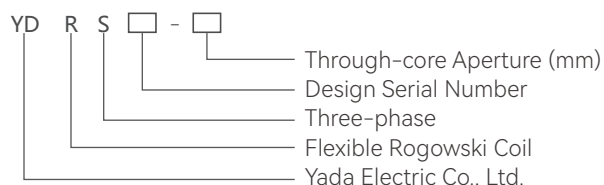


Product Image



Wiring
Diagram

Product Model Description



Product Features

- Open/close structure design allows installation without power interruption;
- Coreless design, suitable for a wide range of primary currents;
- No high voltage risk caused by secondary circuit open in traditional current transformers;
- Without magnetic core, no magnetic saturation or ferromagnetic resonance occurs;
- Compact structure, lightweight, and small volume for the entire measuring device;
- Cable tie fastening design for easier and more convenient installation;
- Features anti-detachment perforation and tamper-proof sealing hole design, ensuring more reliable metering.

Operating Conditions

- Rated Primary Current: 100A; ● Maximum Primary Current: 500A;
- Rated Secondary Output: 80mV ● Transformation Ratio: 500A/400mV;
- Rated Frequency: 50Hz/60Hz; ● Rated Auxiliary Power Supply: DC5V;
- Operating Temperature: -40°C~70°C; ● Altitude: ≤4000m;
- Relative Humidity: ≤80%; ● Rated System Voltage: 0.6kV and below;
- Isolation Withstand Voltage: AC 3.0 kV/min;

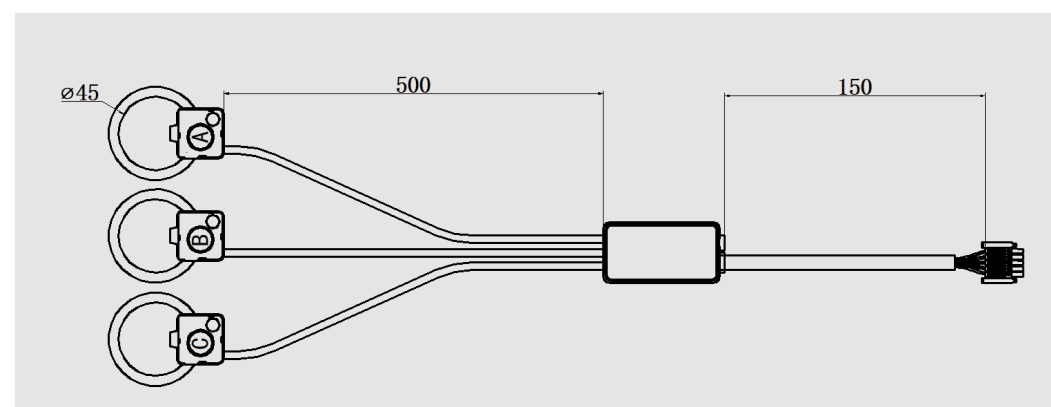
Precautions

- The product should be installed in a dry, clean place, away from heat sources and strong electromagnetic fields.
- The product is usually installed inside switchgear cabinets to protect the device from oil, dirt, dust, corrosive gases, or other harmful substances.
- During installation, ensure that the current direction matches the arrow marked on the product.
- After snapping the Rogowski coil into place, gently pull it to confirm it is securely fastened.
- When inserting terminals into the guide rail, ensure that Phoenix terminals are properly latched to prevent loosening.
- Stop using the product immediately if insulation damage is detected.
- Keep away from live primary conductors during testing or measurement to avoid electric shock hazards.

Technical Specifications / Dimensions

Rated Primary Current (Ib)	Standard
Maximum Primary Current (Imax)	100A
Maximum Primary Current (Imax)	500A
Transformation Ratio	500A/400mV
Rated Frequency	50Hz/60Hz
Fixed Position Accuracy Class 1, 2	0.5S 级
Linearity	0.1%
Temperature Drift	≤0.5%
DC Offset	≤0.1mV
Bandwidth (-3dB)	45Hz~5kHz
Output Internal Resistance	40Ω~200Ω
Load Capacity	5kΩ
Maximum Voltage	600V
AC Withstand Voltage	3kVAC 50Hz 1min
Operating Temperature Range	-40°C~+70°C
Relative Humidity	≤80%RH
Altitude	≤4000m
Enclosure Flame Retardant Rating	UL94 V-0

Note:
When installed at a fixed position, the accuracy class is 0.5S;
When installed at a non-fixed position, the error deviation is ≤1% if the current conductor passes vertically through the coil, and ≤1.5% if it passes at an inclined angle through the coil.

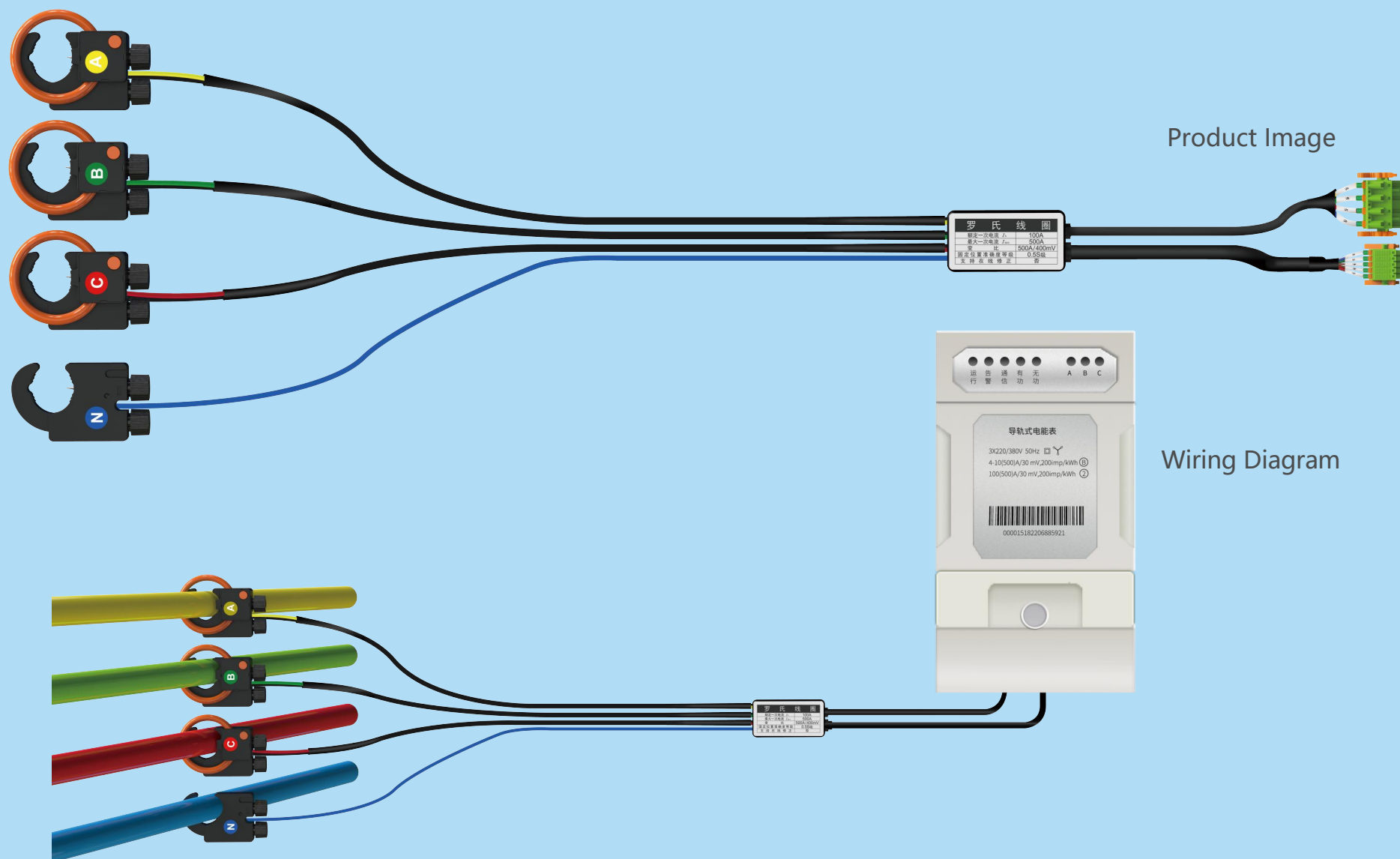


State Grid Three-Phase Piercing Flexible Rogowski Coil Current Transformer

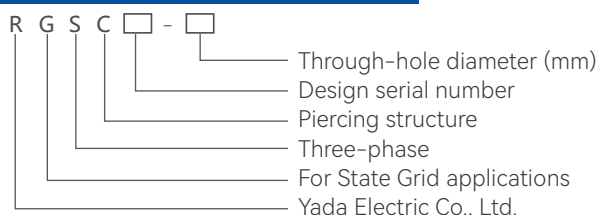
RGSC1-45

Applicable to Low-Voltage Power Distribution Retrofit Systems

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Split-core structure design allows installation without power outage;
- Coreless design supports a wide range of primary current measurements;
- No risk of high voltage from secondary open circuit as with traditional CTs;
- No magnetic core, eliminating issues like magnetic saturation and ferroresonance;
- Robust current clamp structure fits a wide range of primary wire diameters;
- Anti-loosening and anti-tampering sealing hole design ensures more reliable metering;
- Compact and lightweight with a small footprint;
- Easy to install and firmly secured in place;
- Piercing structure enables convenient and safer power extraction;

Operating Conditions

- Rated Primary Current: 100A;
- Maximum Primary Current: 500A;
- Rated Secondary Output: 80mV
- Transformation Ratio: 500A/400mV;
- Rated Frequency: 50Hz/60Hz;
- Rated Auxiliary Power Supply: DC5V;
- Operating Temperature: -40°C~70°C;
- Altitude: ≤4000m;
- Relative Humidity: ≤80%;
- Rated System Voltage: 0.6kV and below;
- Isolation Withstand Voltage: AC 3.0 kV/min;

Precautions

- Install in a dry, clean location away from heat sources and strong electromagnetic fields;
- Typically mounted inside a switch cabinet to avoid exposure to oil, dirt, dust, corrosive gases, or other harmful substances;
- Ensure current direction matches the arrow indicated on the product;
- Tightening torque for current clamp and piercing bolt should not exceed 2N·M;
- After locking the Rogowski coil clip, gently pull to ensure it's securely fastened;
- After terminal is inserted into the rail meter, make sure the Phoenix terminal latch is locked to prevent loosening;
- Stop using immediately if insulation is found damaged;
- Stay away from live primary conductors during measurement to avoid electric shock;

Technical Specifications / Dimensions

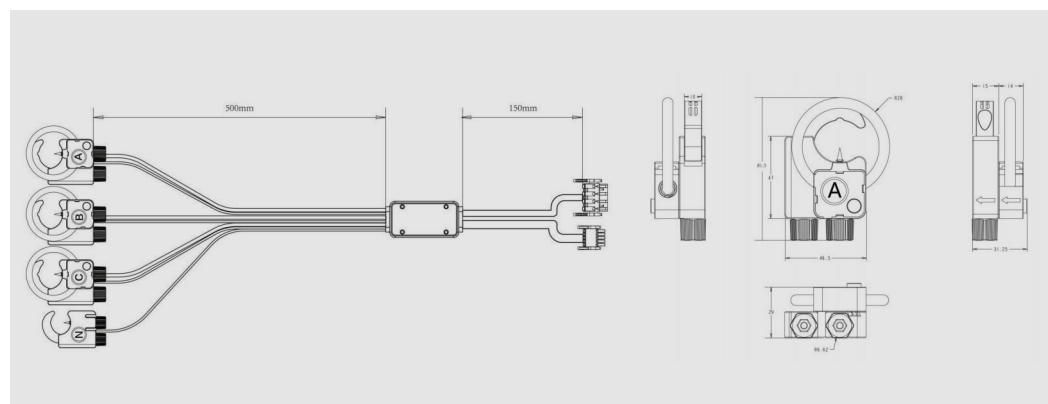
Technical Specifications	Standard
Rated Primary Current Ib	100A
Maximum Primary Current Imax	500A
Transformation Ratio	500A/400mV
Rated Frequency	50Hz/60Hz
Accuracy Class at Fixed Position: Class 1 / Class 2	0.5S
Linearity	0.1%
Temperature Drift	≤0.5%
DC Offset	≤0.1mV
Bandwidth (-3dB)	45Hz~5kHz
Output Internal Resistance	40Ω~200Ω
Load Capacity	5kΩ
Maximum Voltage	600V
AC Withstand Voltage	3kVAC 50Hz 1min
Operating Temperature Range	-40°C~+70°C
Relative Humidity	≤80%RH
Altitude	≤4000 m
Enclosure Flame Retardant Rating	UL94 V-0

Notes:

Accuracy class is 0.5S when installed in a fixed position.

For non-fixed installations:

- Measurement deviation ≤ 1% when current line passes vertically through the coil;
- Measurement deviation ≤ 1.5% when passing through at an angle.

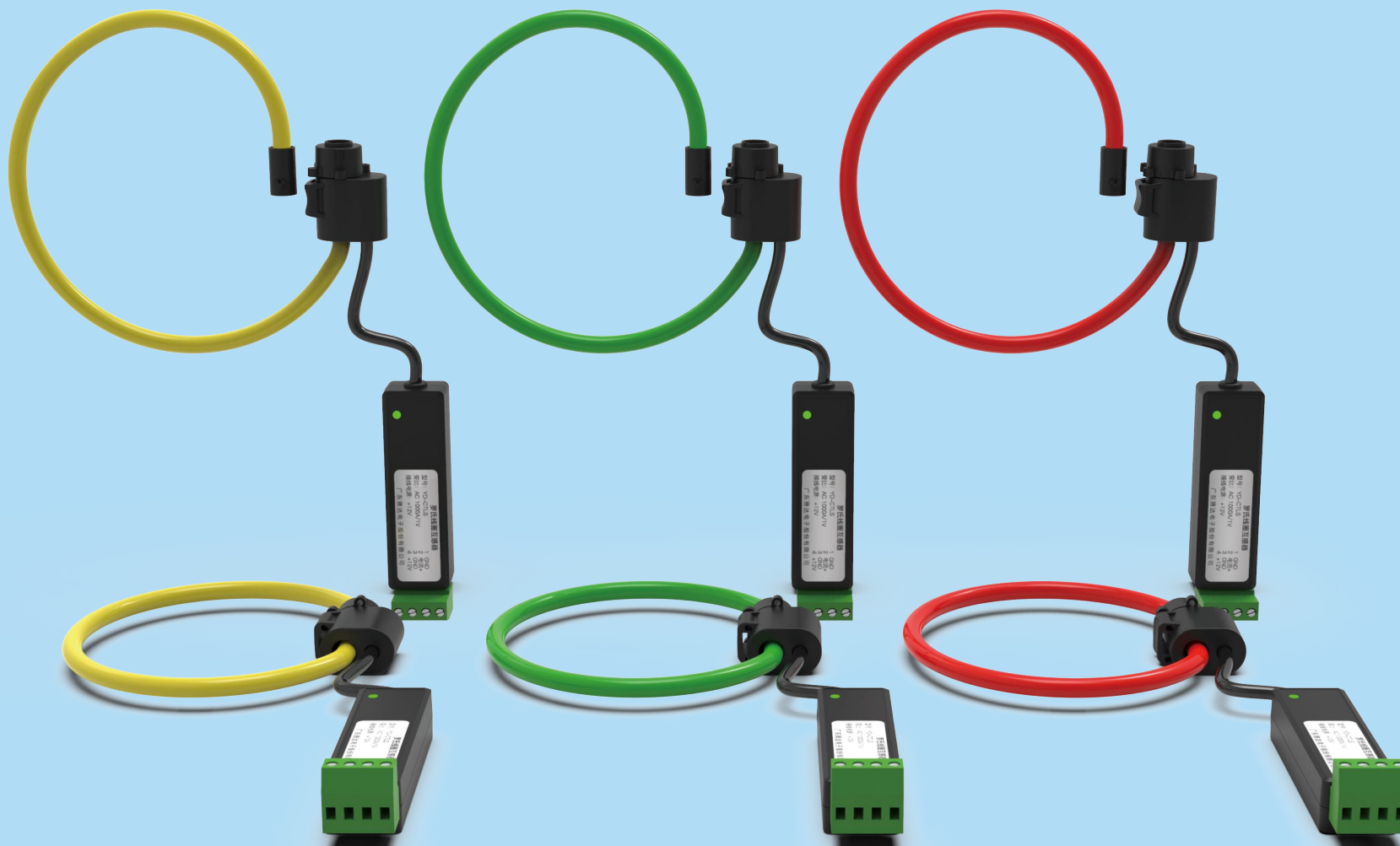


Flexible Rogowski Coil Current Transformer

Integrity and Elegance –
Humble and Open-Minded

YD CTLS Series

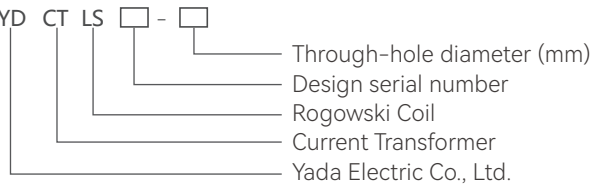
Suitable for Low-Voltage Distribution Retrofit Systems



Open View

Closed View

Product Model Description



Product Features

- Ideal for narrow installation spaces in various power distribution systems;
- Wide frequency range from 1Hz to 1MHz, suitable for relay protection and harmonic detection;
- No risk of high-voltage hazards from secondary open circuits like traditional CTs;
- Coreless design avoids magnetic saturation and ferromagnetic resonance;
- Compact structure with lightweight and small size;
- Plug-in latch design for easy, non-invasive installation;
- Complies with GB/T 20840.8 technical standard for electronic current transformers.

Operating Conditions

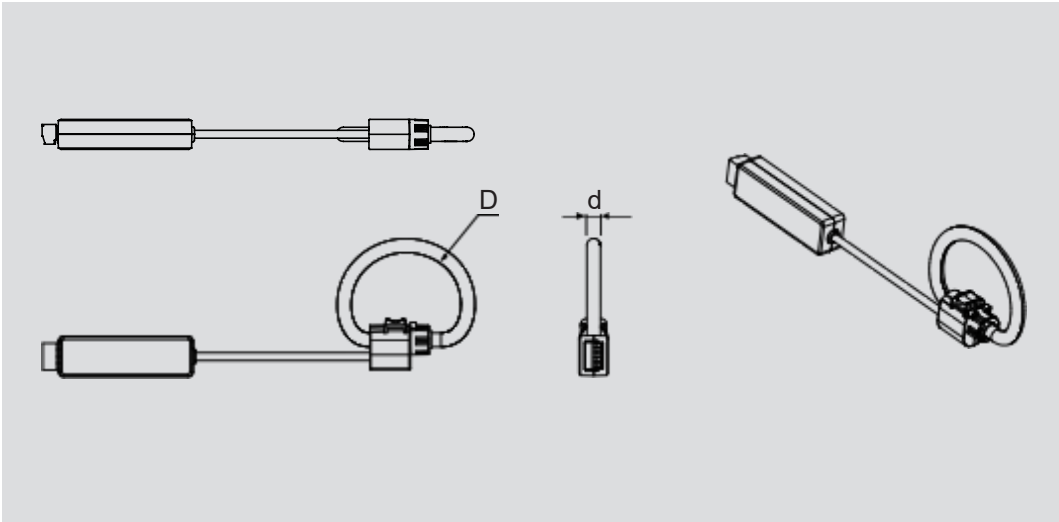
- Rated primary current: 10A~300kA; ● Rated secondary output;
- Auxiliary power supply: DC12V, DC24V, DC5V, or AC220V;
- With integrator: 1V, 4V (AC), or 4~20mA (DC); Without integrator: 50mV/kA, 100mV/kA;
- Rated power consumption: ≤10W, Operating frequency range: 1Hz~1MHz;
- Operating temperature: -40℃ to 70℃; ● Relative humidity: 10%~95%;
- Altitude: ≤4000m; ● System rated voltage: 0.66kV and below;
- Dielectric strength: AC 3.0kV/min;

Precautions

- When unlocking or installing the latch, rotate in the direction of the arrow.
- Wire the auxiliary power supply according to the rated voltage and label.
- Keep away from live conductors during measurement to avoid electric shock.
- Discontinue use immediately if insulation damage is detected.

Technical Specifications / Dimensions

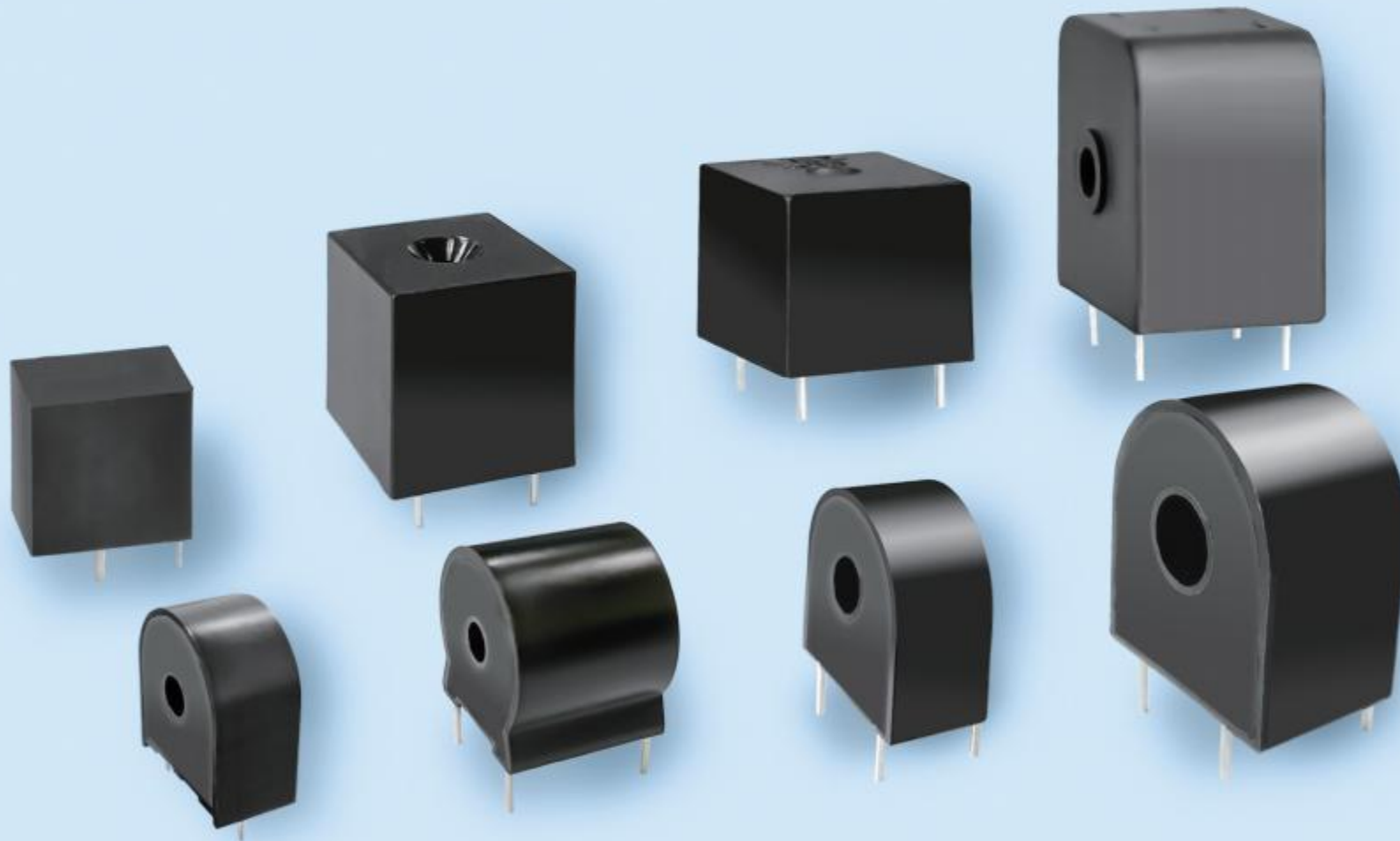
Model Specification	Rated Input Current	Rated Output Current	Accuracy Class	Dimensions (mm)	
				D	d
YDCTLS1-30	0kA~300kA	100mV 0-20mA 0-5V	0.5 1.0 1.5 2.0	30	7.5
YDCTLS1-40				40	
YDCTLS1-80				80	
YDCTLS1-100				100	
YDCTLS1-150				150	10
YDCTLS1-200				200	
YDCTLS1-300				300	
YDCTLS1-400				400	



Miniature Current Transformer

Single-Phase Pin-Type

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Primary current range: 5A–100A, secondary current: 2mA–50mA; available in a full range of specifications with accuracy classes of 0.1, 0.2, and 0.5.
- The housing is made of high-impact, flame-retardant PBT material for enhanced safety and aesthetic design.
- Fully encapsulated with epoxy resin for excellent insulation and strong impact resistance.
- Compact size, easy to install; pin-type structure allows for direct PCB soldering.
- Complies with GB/T 20840.2–2014 technical standard for current transformers.

Operating Conditions

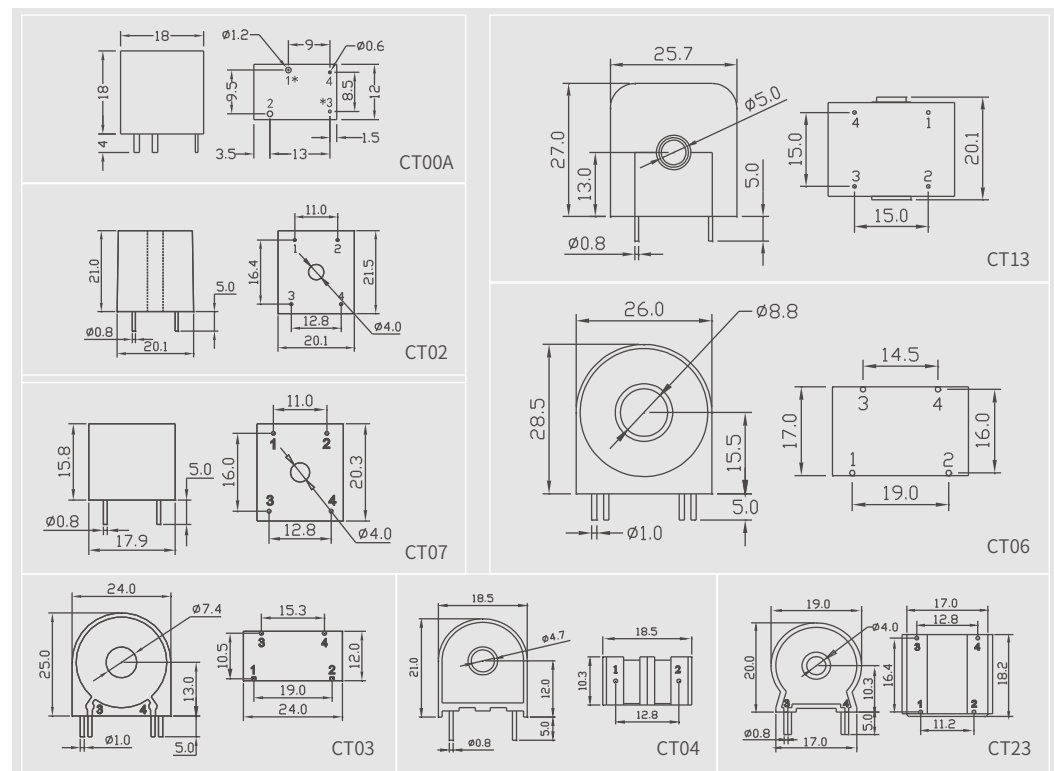
- Operating temperature: -40°C to 70°C ● Relative humidity: 10%~95%
- Altitude: ≤4000m; ● Rated voltage: 0.66kV; ● Rated frequency: 50Hz;
- Dielectric withstand voltage: AC 3.0kV/min (between secondary and ground);

Precautions

- Designed for AC circuits with rated voltage not exceeding 0.66kV.
- The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed the rated burden.
- Secondary circuit must not be open-circuited during operation to avoid damage.

Technical Specifications / Dimensions

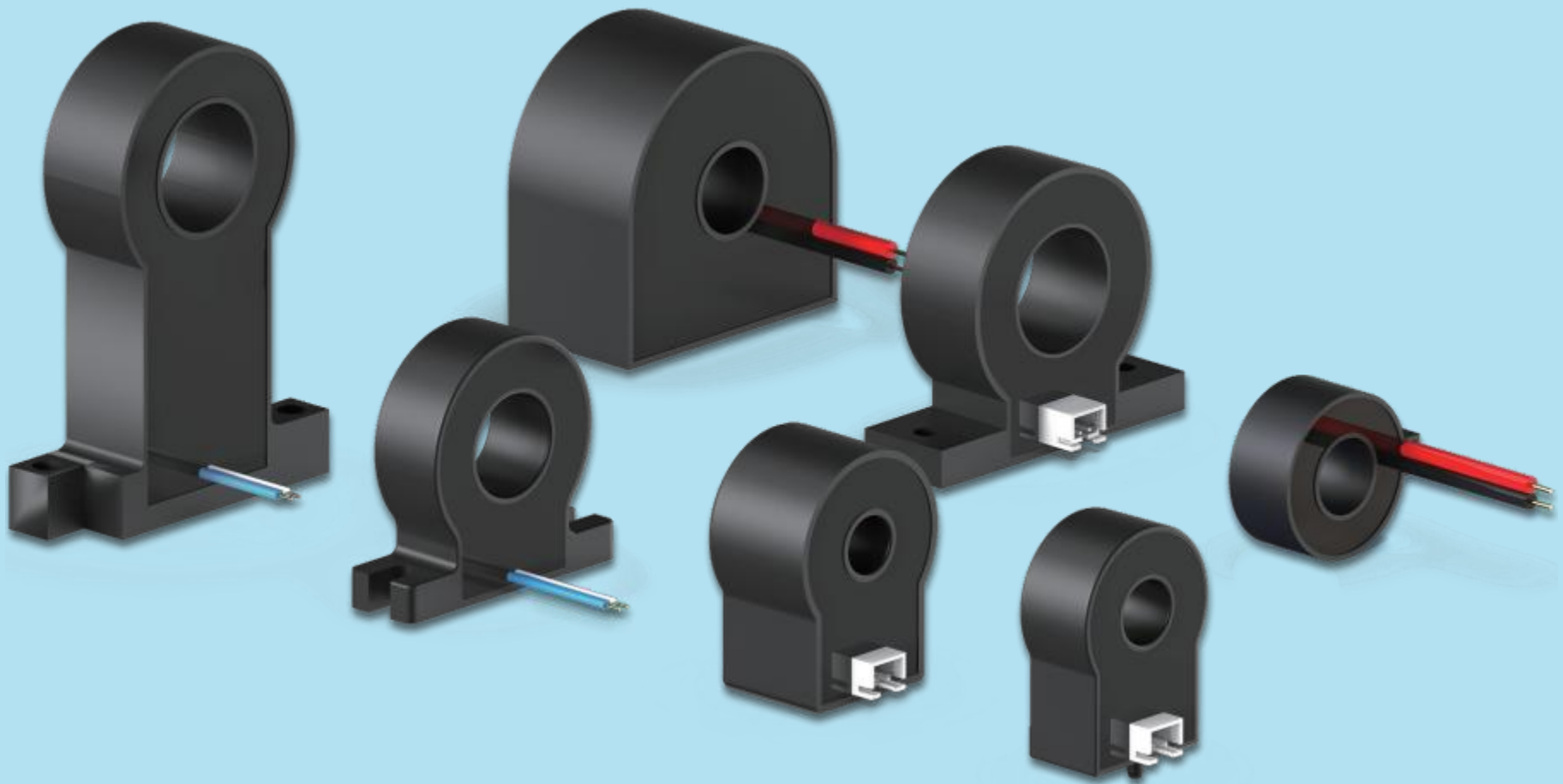
Model Specificatio	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole Diameter Φ (mm)
CT00A	5A	2mA~5mA	50Ω/200Ω	0.2 0.5	18×18×9.5	/
CT02	5A	2mA~5mA	50Ω/200Ω		21×20.1×21.5	4
CT03	5A~20A	2mA~10mA	50Ω/200Ω		24×25×12	7.4
CT04	5A	2mA~5mA	50Ω/200Ω		18.5×21×10.3	4.7
CT06	5A~100A	2mA~50mA	500Ω/800Ω		26×28.5×17	8.8
CT07	5A	2mA~5mA	50Ω/200Ω		17.9×15.8×20.3	4
CT13	5A~20A	5mA	50Ω/500Ω		25.7×27×20.1	5
CT23	5A	5mA	10Ω	0.1	19×20×18.2	4



Miniature Current Transformer

Single-Phase Lead Type

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Enclosure made of high-impact, flame-retardant materials for excellent safety and a sleek appearance.
- Epoxy resin encapsulated for superior insulation and shock resistance.
- Compact size and easy installation.
- Built-in open-circuit protection to ensure equipment and personal safety.
- Complies with GB/T 20840.2-2014 standard for current transformers.

Operating Conditions

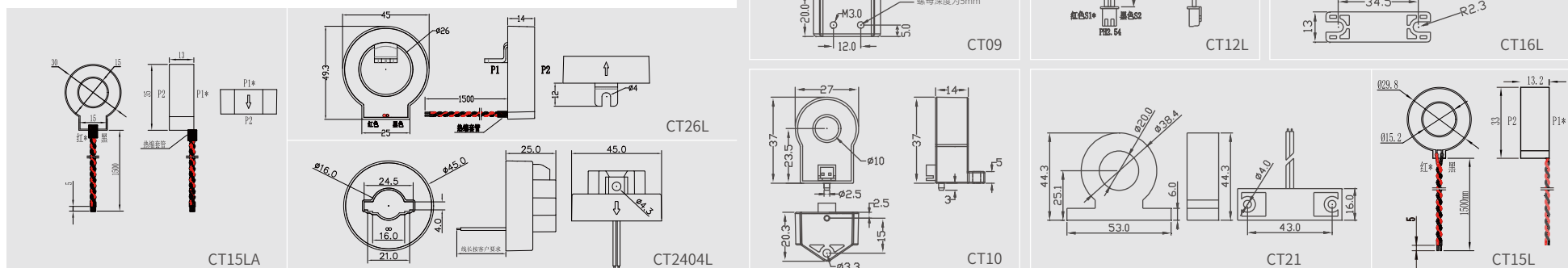
- Operating Temperature: -40°C to +70°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- For use in AC circuits with rated voltage not exceeding 0.66kV.
- Total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed its rated burden.

Technical Specifications / Dimensions

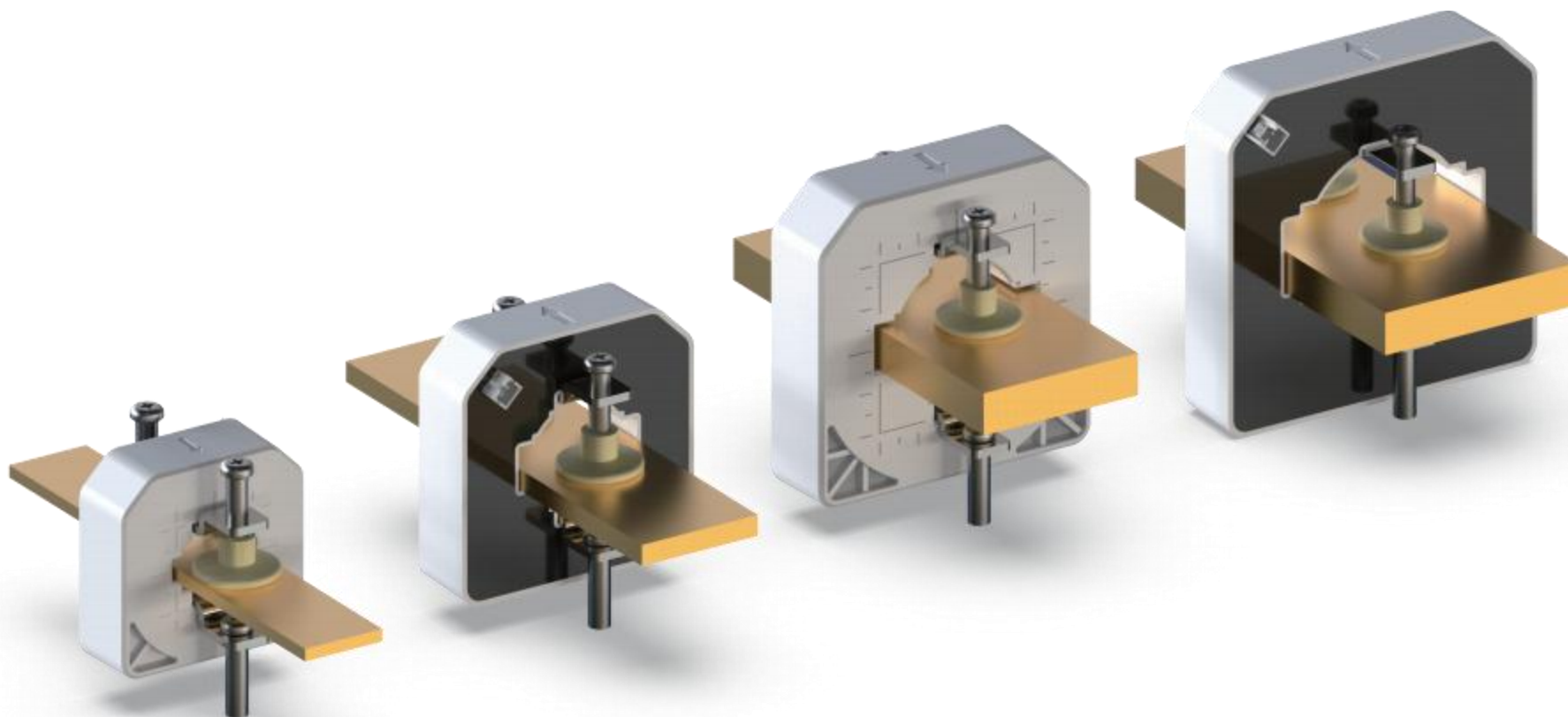
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole Diameter Φ (mm)
CT08	50A	10mA	20Ω	0.2 0.5	53×69×16	20
CT09	5A~100A	10mA~40mA	20Ω/50Ω/200Ω		29.5×38.8×20	9
CT10	5A~100A	10mA~40mA	20Ω/50Ω/200Ω		27×37×20.3	10
CT12L	50A~100A	10mA~40mA	50Ω		26×29×12	12
CT14	50A~100A	10mA~0.1A	500Ω/0.1Ω		45.5×45.5×25	13.5
CT15L	50A~150A	10mA~60mA	20Ω		29.8×33×13.2	15.2
CT15LA	50A~100A	10mA~40mA	20Ω		30×35×13	15
CT16L	5A~100A	10mA~40mA	20Ω/30Ω		45×40.2×13	16
CT21	5A~200A	10mA~80mA	20Ω/30Ω		53×44.3×16	20
CT2404L	50A~200A	10mA~80mA	20Ω		45×45×25	16
CT26L	50A~200A	10mA~80mA	20Ω		45×49.3×14	26



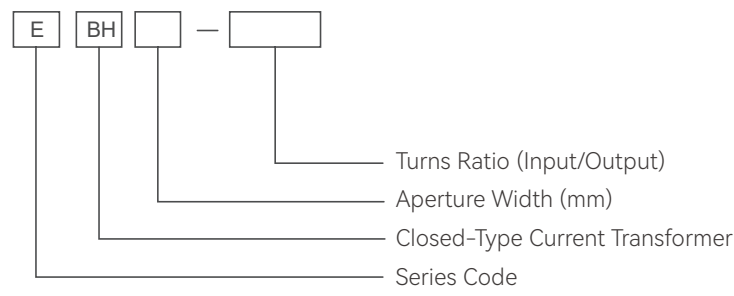
Miniature Current Transformer

EBH Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Primary current: 100A–1000A, Secondary current: 0.1A; full range of specifications with accuracy class 0.2.
- Provides a direct 0.1A standard output current for downstream instrumentation without requiring a 5A-output power CT.
- Core material is vacuum heat-treated for excellent performance, stable accuracy, and high sensitivity.
- Housing is made of high-impact, flame-retardant PC/ABS material, offering reliable safety and an attractive appearance.
- Easy installation with pressure plate fixation.
- Built-in open-circuit protection ensures the safety of both equipment and personnel.
- Performance complies with GB/T 20840.2-2014 – Current Transformers.

Operating Conditions

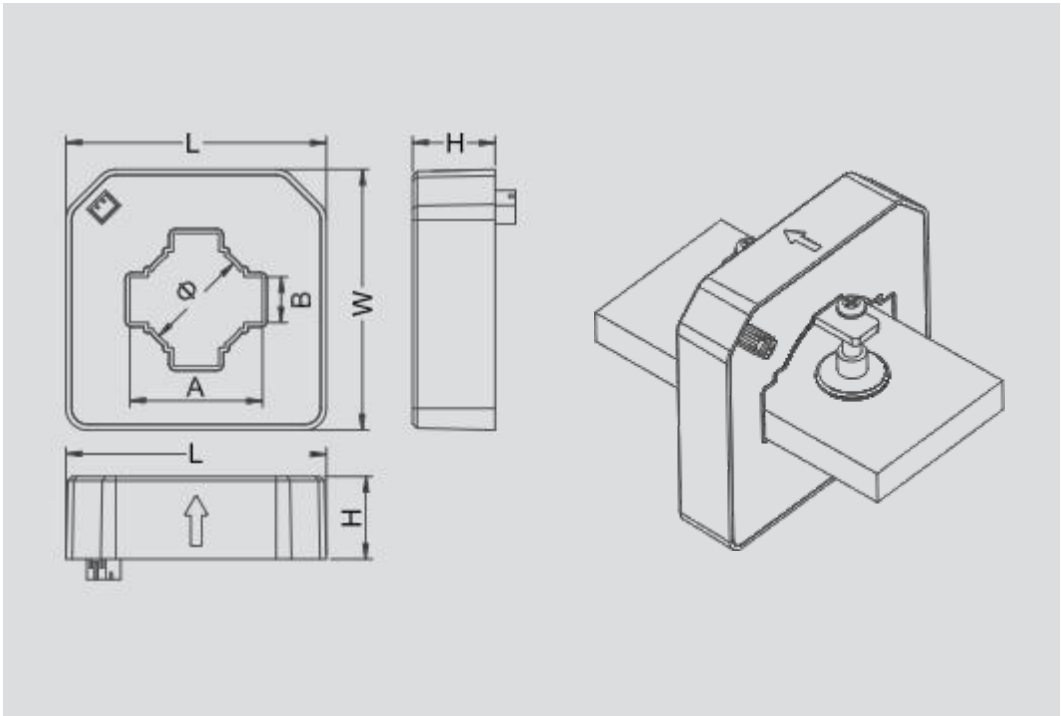
- Operating temperature: -40°C to +85°C
- Relative Humidity: 10%–95%
- Altitude: ≤4000m;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- Applicable in AC circuits with rated voltage not exceeding 0.66kV.
- The total impedance of instruments connected to the secondary winding (including wiring) must not exceed the rated burden.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)					
					L	W	H	A	B	φ
EBH20	100A~200A	0.1A	20Ω	0.2	48	48	17	21	5	16
EBH30	100A~400A				60	60	19	30.6	10.5	24
EBH40	500A~800A				71.5	71.5	19	41.5	10.6	31
EBH50	800A~1000A				80	80	19	51	17	40



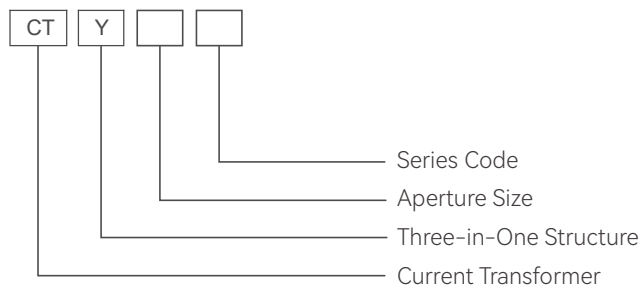
Miniature Current Transformer

Integrity and Elegance –
Humble and Open-Minded

CTY Series



Product Model Description



Product Features

- Primary current: 5A–100A, Secondary current: 5mA–40mA; available in a full range of specifications with accuracy classes 0.1 and 0.2.
- Housing made of high-impact, flame-retardant material, providing excellent safety performance and attractive appearance.
- Encapsulated in epoxy resin for superior insulation and strong impact resistance.
- Compact size, easy to install.
- Built-in open-circuit protection, effectively safeguarding both equipment and personal safety.
- Performance complies with GB/T 20840.2-2014 – Current Transformers.

Operating Conditions

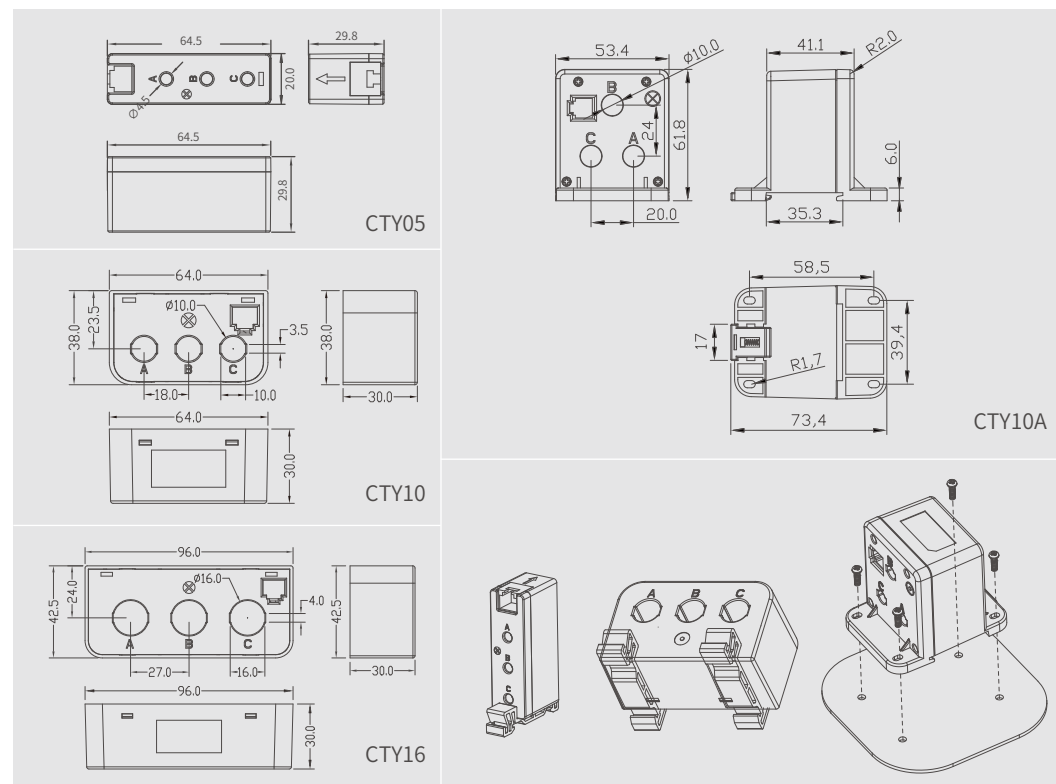
- Operating temperature: -40°C to $+70^{\circ}\text{C}$
- Relative Humidity: 10%–95%
- Altitude: $\leq 4000\text{m}$;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- Designed for use in AC circuits with rated voltage not exceeding 0.66kV.
- The total impedance of the instruments connected to the secondary winding (including wiring) must not exceed the rated burden.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole Diameter Φ (mm)
CTY05	5A	5mA	10 Ω	0.1	64.5×20×29.8	4.5
CTY10A	50A	20mA	20 Ω	0.2	53.4×61.8×73.4	10
CTY10	50A	20mA	50 Ω		64×38×30	10
CTY16	100A	40mA	50 Ω		96×42.5×30	16



Miniature Current Transformer

CT Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole Diameter Φ (mm)
CT20	5A~100A	10mA~40mA	20 Ω	0.2	85.5×76.5×33.5	16
CT27	50A~400A	10mA~80mA	20 Ω	0.5	168×89×49	30

Product Features

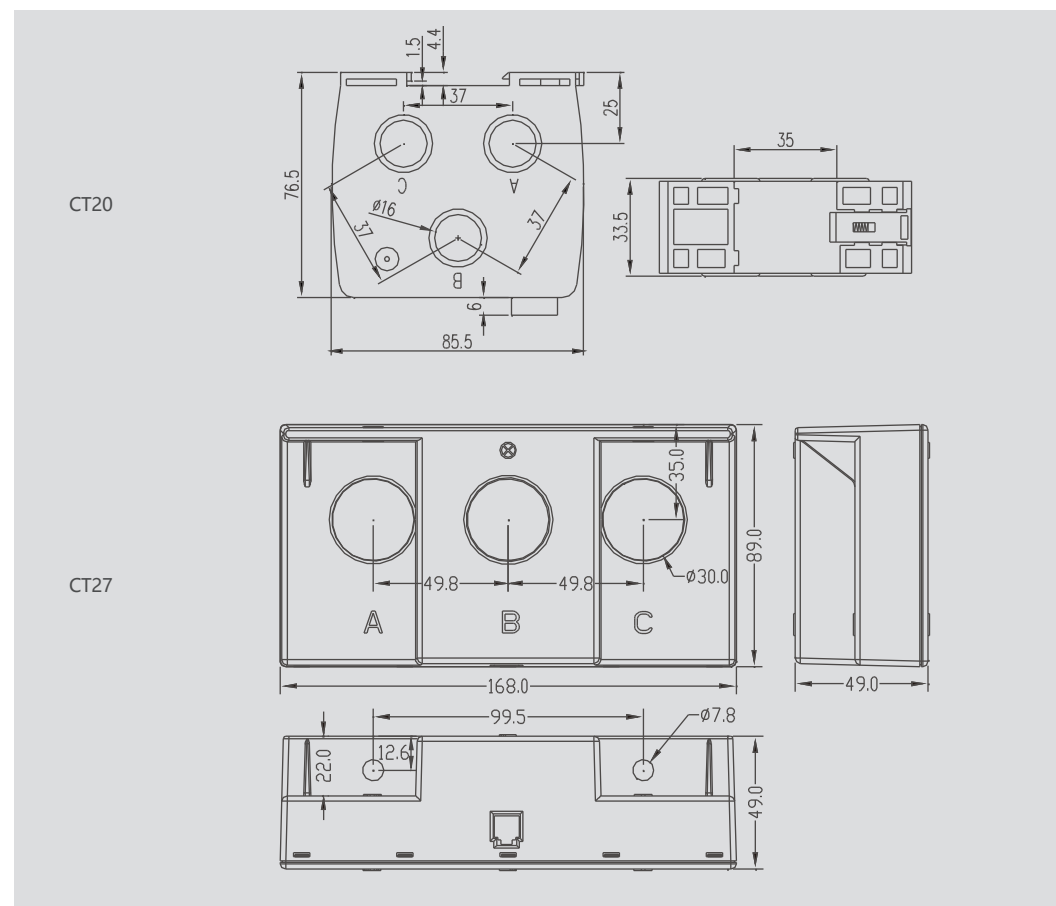
- Primary current: 5A~400A, Secondary current: 10mA~80mA; full range of specifications available, with accuracy classes 0.2 and 0.5.
- Housing made of high-impact, flame-retardant material, offering excellent safety and attractive appearance.
- Epoxy resin encapsulated for superior insulation and high shock resistance.
- Compact size and easy to install.
- Built-in open-circuit protection to safeguard both equipment and personnel.
- Performance complies with GB/T 20840.2-2014 – Current Transformers.

Operating Conditions

- Operating temperature: -40°C to +70°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- Designed for AC circuits with rated voltage not exceeding 0.66kV.
- The total impedance of the external circuit connected to the secondary winding (including wiring) should not exceed the rated burden.



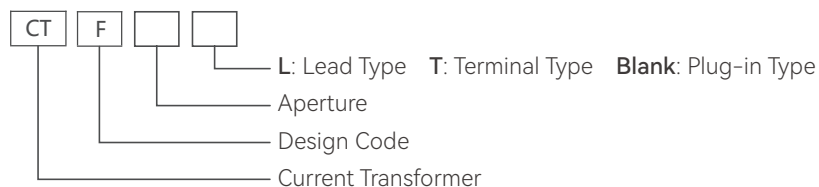
Split-Core Current Transformer

Integrity and Elegance –
Humble and Open-Minded

CTF Series



Product Model Description



Product Features

- Primary current: 5A~800A, Secondary current: 2mA~100mA; full range of specifications with accuracy classes 0.5 and 1.0.
- Suitable for fast installation and removal without cutting or disconnecting the primary conductor, used for energy data acquisition and monitoring.
- Core is processed with high-vacuum heat treatment, ensuring excellent performance, stable accuracy, and high sensitivity.
- Enclosure made of high-impact, flame-retardant PA material for enhanced safety and attractive appearance.
- Snap-fit split-core structure for easy installation.
- Built-in open-circuit protection device ensures safety of equipment and personnel.
- Performance complies with GB/T 20840.2-2014 – Current Transformers.

Operating Conditions

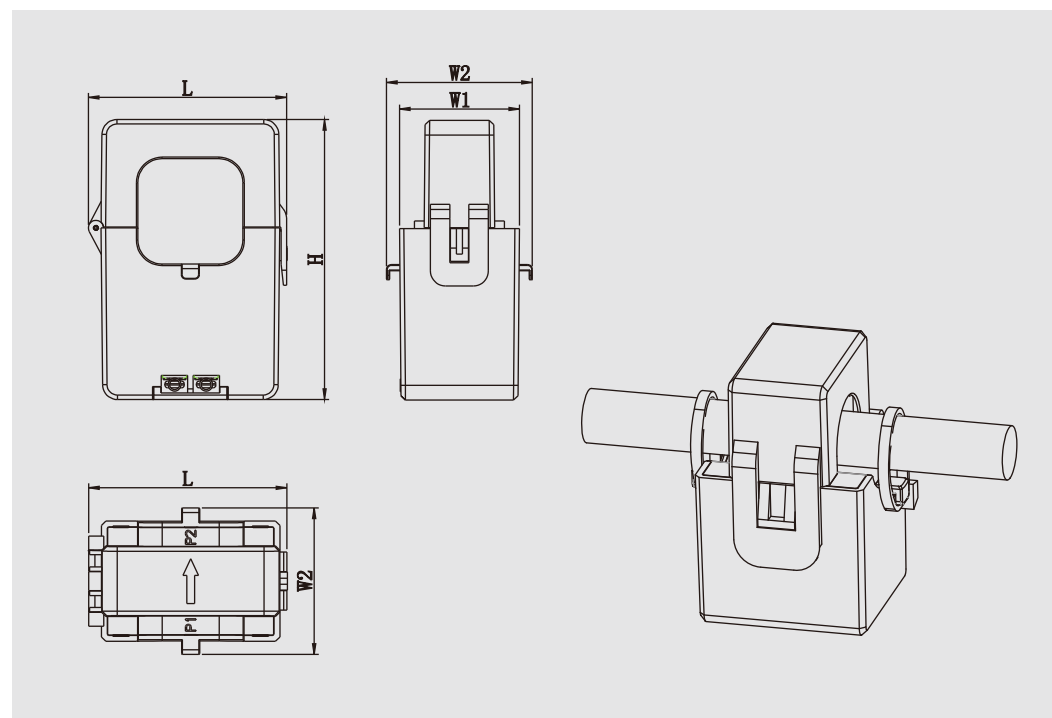
- Operating temperature: -40°C to +70°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- The transformer is designed for AC circuits with rated voltage not exceeding 0.66kV; the operating current should not exceed the rated value for long-term use.
- This is a subtractive polarity device: primary terminals are marked P1 and P2; corresponding secondary terminals are marked S1 and S2.
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of the external circuit (including wiring) should not exceed the rated burden.
- After opening and re-closing the transformer, the magnetic core must be fully and properly aligned to avoid affecting measurement accuracy.

Technical Specifications / Dimensions

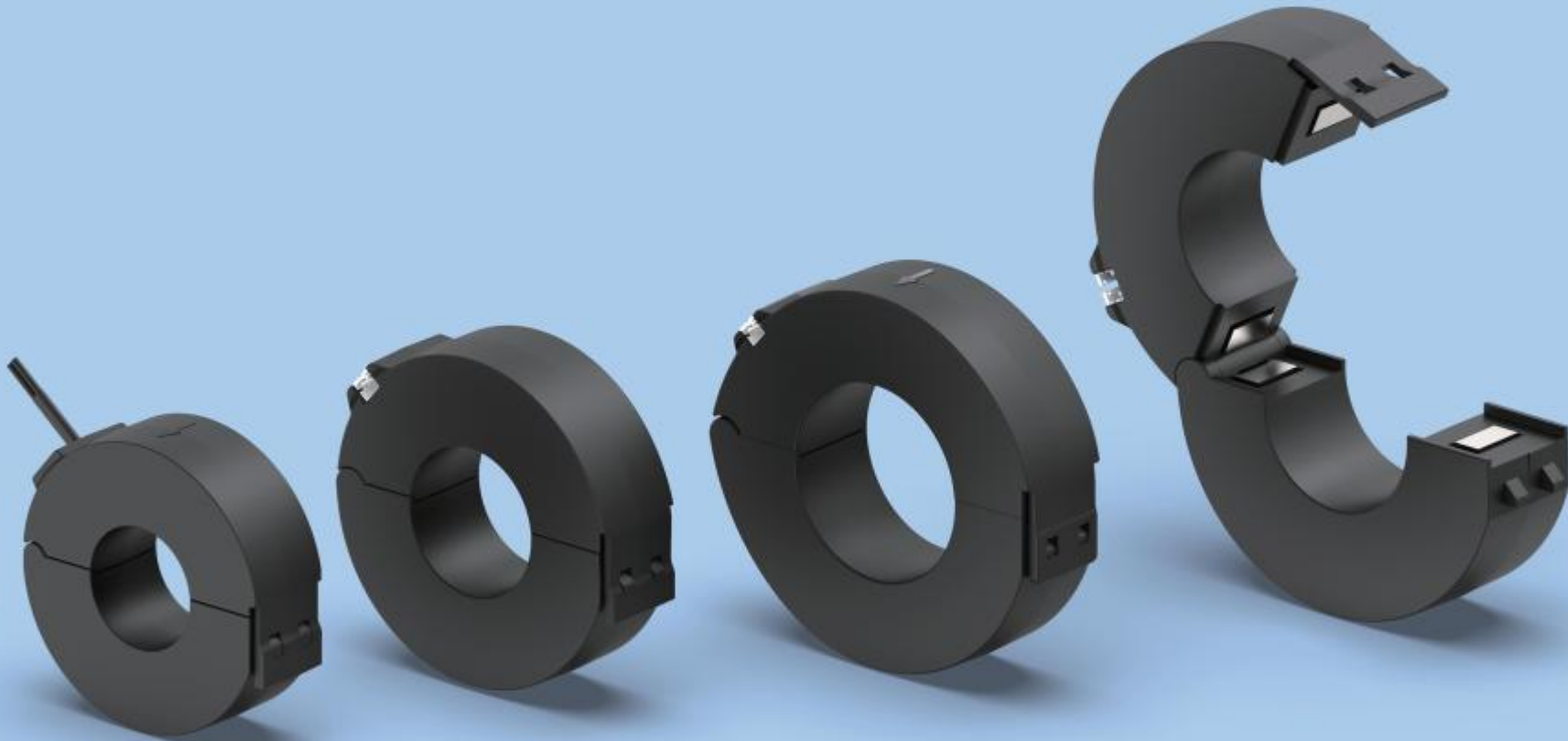
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)				Hole Diameter Φ (mm)
					L	H	W1	W2	
CTF10	5A~50A	2mA~20mA	30Ω	0.5 1.0	30.5	44.3	27	/	10
CTF16L	5A~100A	2mA~40mA			35.8	49.3	32	40	16
CTF24T	200A~300A	0.1A	20Ω	0.5	55	79.5	38	46.5	24
CTF35T	400A~600A				66	93	40	48.6	35
CTF50T	500A~800A				87	116	47.5	56.5	50



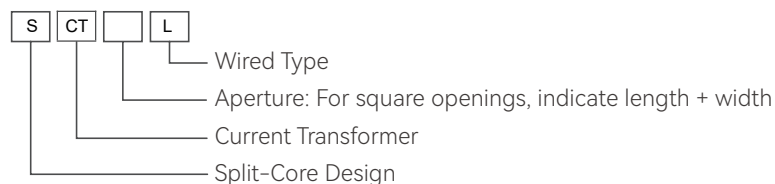
Split-Core Current Transformer

SCT Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Applicable for primary current from 50A to 500A, secondary current from 10mA to 100mA; available in a full range of specifications.
- Designed for rapid installation and removal under live-line conditions without cutting or disconnecting cables; ideal for energy data acquisition and power monitoring.
- Core material undergoes high-vacuum thermal treatment, offering excellent magnetic performance, stable accuracy, and high sensitivity.
- Housing is made of high-impact, flame-retardant PC material, ensuring superior safety and an aesthetically pleasing appearance.
- Snap-fit split-core structure allows for quick and secure mounting.
- Built-in open-circuit protection safeguards both equipment and personnel.

Operating Conditions

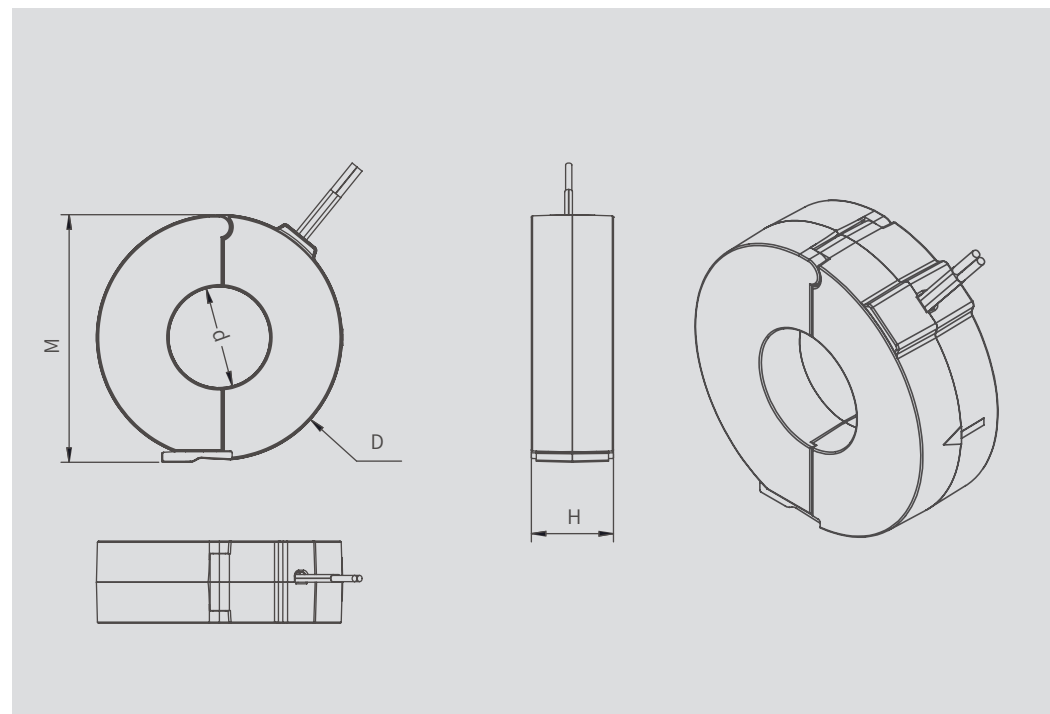
- Operating temperature: -40°C to +70°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m;
- Rated voltage: 0.66kV;
- Rated frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0kV/min (secondary to ground);

Precautions

- Suitable for use in AC circuits with rated voltage not exceeding 0.66kV; continuous operating current shall not exceed the rated value.
- The total impedance of external instruments connected to the secondary winding (including wiring) must not exceed the rated burden.
- After reopening and closing the core, ensure complete magnetic contact to avoid degradation of measurement accuracy.

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)			
					M	d	D	H
SCT24L	50A~500A	10mA~100mA	20Ω	0.5	60	24.5	60	20
SCT30L					69.6	30	68	21
SCT40L					78	40	82.2	22



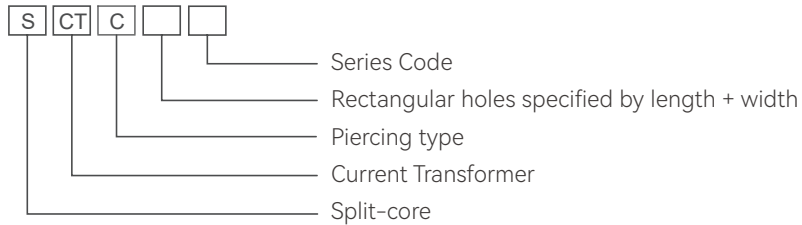
Piercing Split-Core Current Transformer

Integrity and Elegance –
Humble and Open-Minded

SCTC Series



Product Model Description



Product Features

- Designed for primary currents from 5A to 630A, with complete model options.
- Utilizes piercing needle technology to draw power directly through cable insulation without stripping.
- Ideal for fast installation and removal under non-disconnection conditions, suitable for energy metering and monitoring.
- Built with high-permeability nanocrystalline cores, offering excellent performance, stable accuracy, and high sensitivity.
- Housing made of high-impact, flame-retardant PC material, ensuring safety and aesthetic design.
- Easy to install, safe and reliable.
- Equipped with built-in open-circuit protection to safeguard equipment and personnel.
- Conforms to GB/T 20840.2-2014 technical standard for current transformers.

Operating Condition

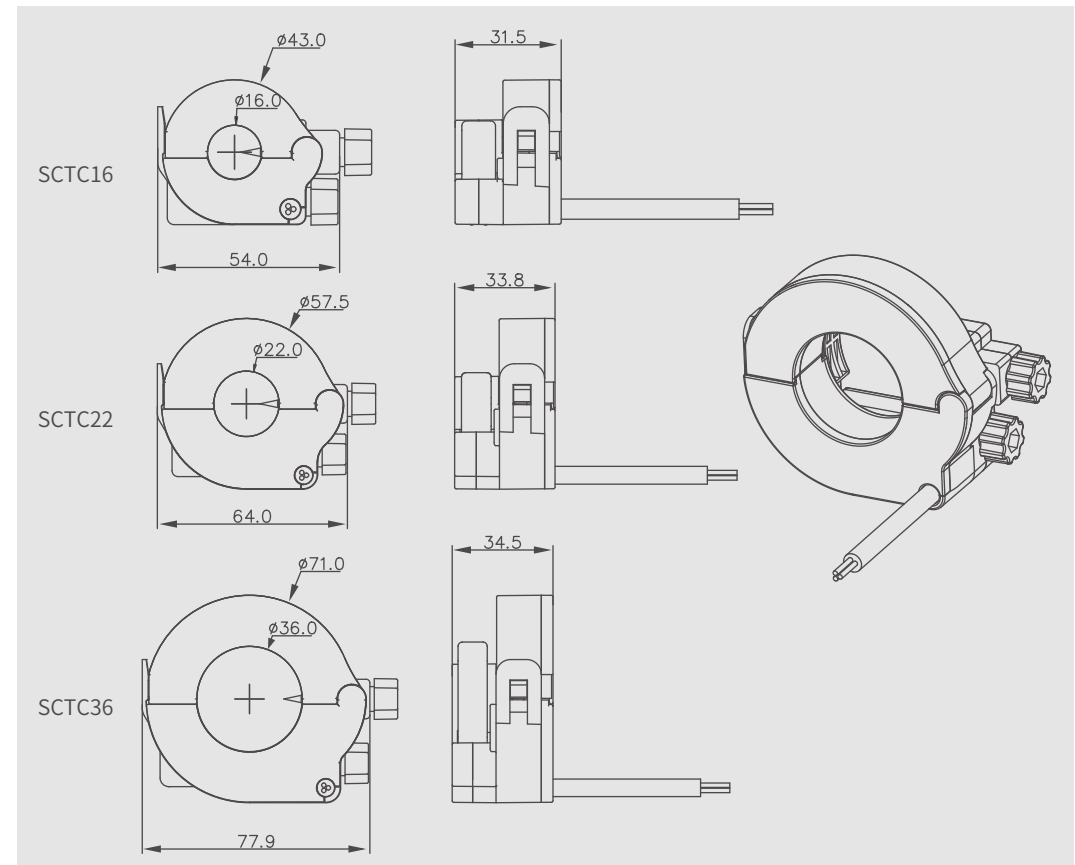
- Operating Temperature: -40°C to +70°C
- Relative Humidity: 10%-95%
- Altitude: ≤4000m;
- Rated Voltage: 0.66kV;
- Rated Frequency: 50Hz;
- Dielectric Strength: AC 3.0kV/min (between secondary and ground);

Precautions

- Applicable to AC circuits with rated voltage ≤ 0.66kV, and long-term current must not exceed rated value.
- Total impedance of instruments connected to the secondary winding (including wiring) must not exceed the rated burden.
- Never open the secondary circuit while in operation.
- After opening, ensure the core contact surfaces are perfectly aligned when re-closing, as improper contact may reduce accuracy.

Technical Specifications / Dimensions

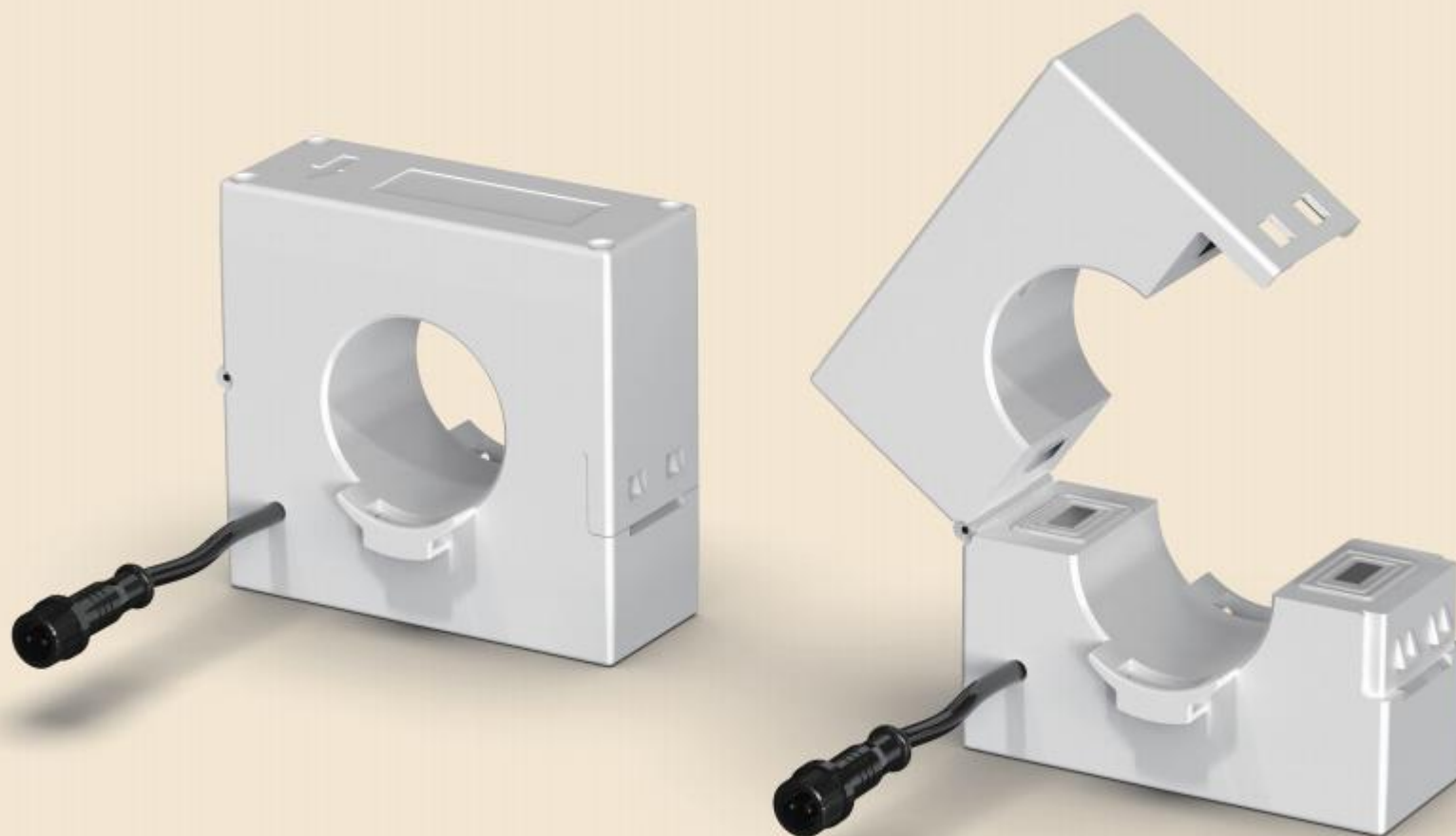
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole DiameterΦ (mm)
SCTC16	5A~100A	2mA ~ 100mA	20Ω	0.5	54×43×31.5	16
SCTC22	50A~300A			1.0	64×57.5×33.8	22
SCTC36	100A~630A				77.9×71×34.5	36



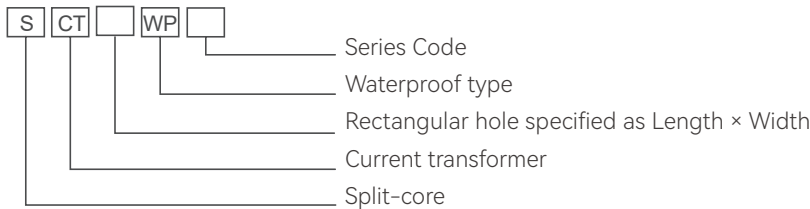
Waterproof Split-Core Current Transformer

Integrity and Elegance –
Humble and Open-Minded

SCT40WP



Product Model Description



Product Features

- Designed for primary current ranging from 100A to 500A, with a full range of specifications.
- Fully sealed waterproof structure, suitable for outdoor use; protection rating up to IP67.
- Ideal for quick installation and removal under conditions where wires cannot be cut or disconnected, suitable for energy metering and monitoring.
- Suitable for energy metering and power monitoring.
- Equipped with high-permeability nanocrystalline or silicon steel cores for excellent performance, stable accuracy, and high sensitivity.
- Durable housing made of flame-retardant, high-impact PA material, offering excellent safety and aesthetic appearance.
- Snap-fit design for easy and reliable installation.
- Built-in open-circuit protection to ensure equipment and personnel safety.
- Compliant with GB/T 20840.2-2014 technical standards for current transformers.

Operating Conditions

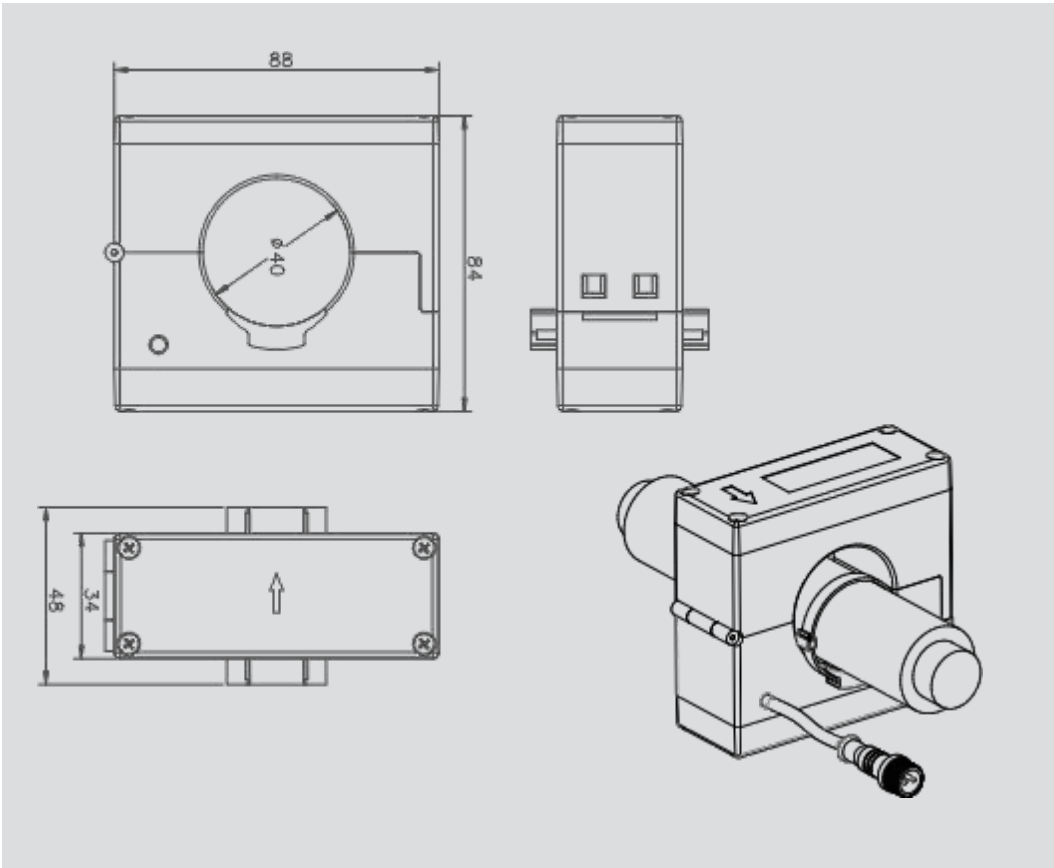
- Operating Temperature: -40°C to +70°C
- Relative Humidity: 10%~95%
- Altitude: ≤4000m;
- Rated Voltage: 0.66kV;
- Rated Frequency: 50Hz;
- Dielectric Strength: AC 3.0kV/min (between secondary and ground);

Precautions

- Applicable in AC circuits with rated voltage not exceeding 0.66kV.
- The total impedance of instruments (including wiring) connected to the secondary winding must not exceed the rated burden.
- Never open the secondary circuit while the transformer is in operation.
- When re-closing the transformer after opening, ensure core surfaces are properly aligned, as misalignment may affect accuracy.

Technical Specifications / Dimensions

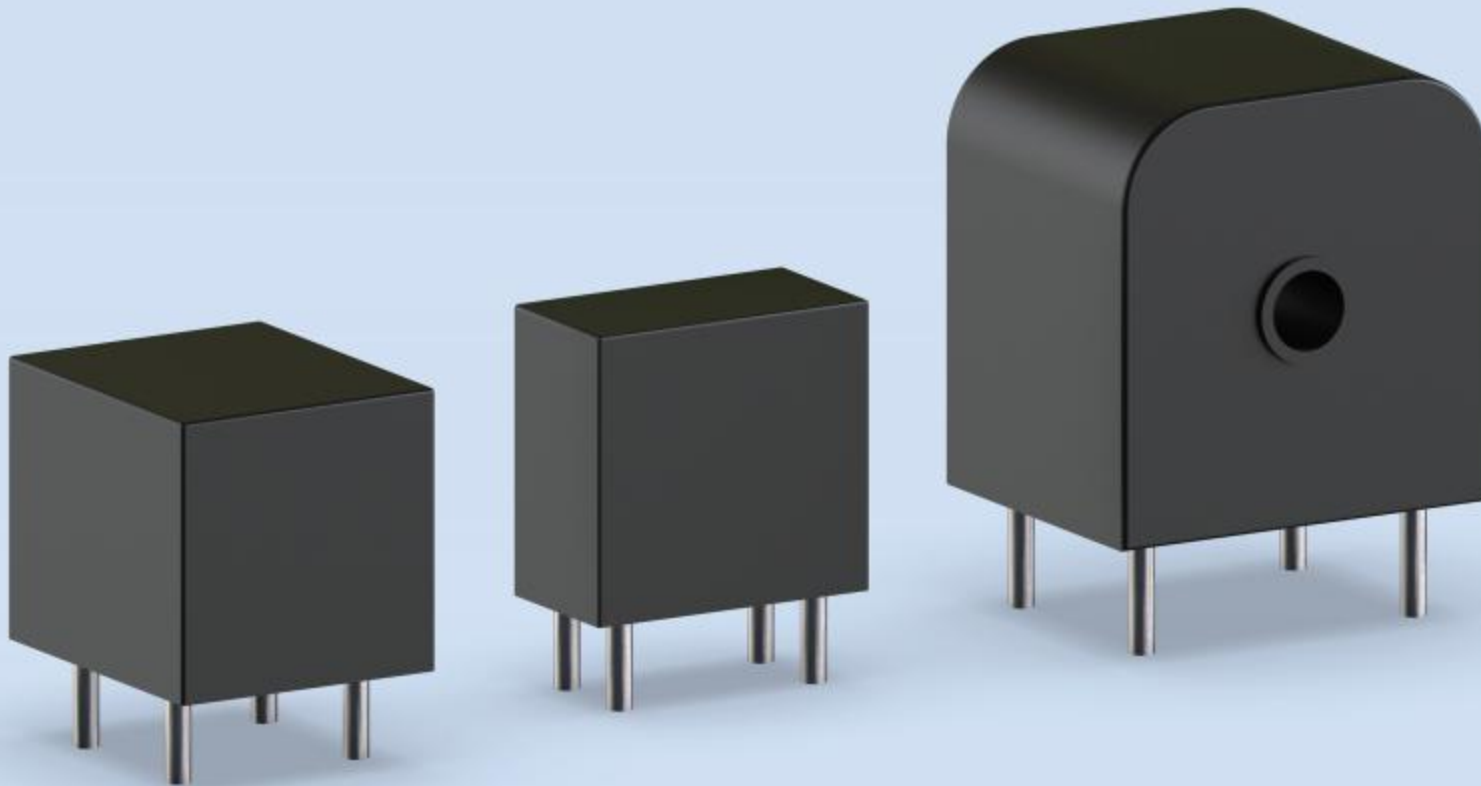
Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)	Hole DiameterΦ (mm)
SCT40WP	100A~500A	20mA ~ 100mA	20Ω	0.5 1.0	88×84×48	40



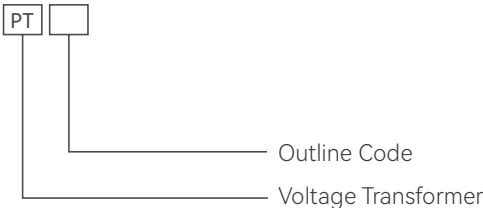
Precision Voltage Transformer

Integrity and Elegance –
Humble and Open-Minded

PT Series



Product Model Description



Product Features

- Primary current: 1mA to 6mA, Secondary current: 1mA to 6mA, full range of specifications available;
- Accuracy class: 0.5;
- Housing made of high-impact, flame-retardant PBT material, ensuring excellent safety performance and elegant appearance;
- Encapsulated with epoxy resin for excellent insulation and strong shock resistance;
- Compact size, easy installation, pin-type design allows for direct PCB mounting;
- Performance standard: Complies with GB/T 20840.2-2014 (Current Transformers);

Operating Conditions

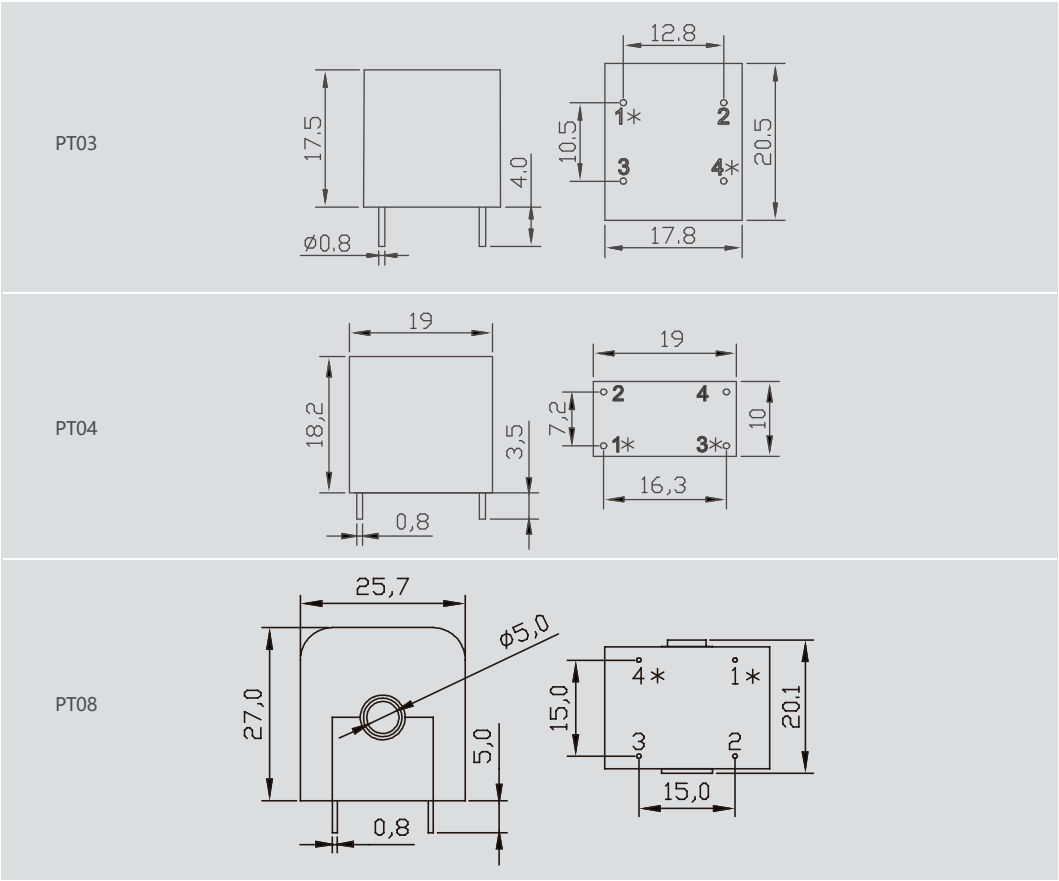
- Operating Temperature: -40°C to +70°C ● Relative Humidity: 10%–95%
- Altitude: ≤4000m; ● Rated Voltage: 0.66kV; ● Rated Frequency: 50Hz;
- Dielectric Strength: AC 3.0kV/min (between secondary and ground);

Precautions

- Applicable for AC circuits with rated voltage not exceeding 0.66kV;
- The total impedance of the external circuit connected to the secondary winding (including wiring) must not exceed the rated load;
- Secondary short-circuit is strictly prohibited during operation;

Technical Specifications / Dimensions

Model Specification	Rated Input Current	Rated Output Current	Rated Burden	Accuracy Class	Dimensions (mm)
PT03	1mA~2mA	1mA~2mA	500Ω	0.5	17.8×20.5×17.5
PT04	2mA	2mA	250Ω		19×10×18.2
PT08	6mA	6mA	200Ω		25.7×20.1×27



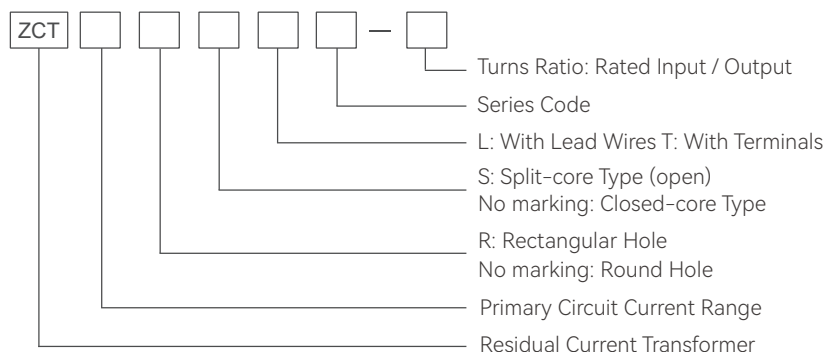
Residual Current Transformer

Integrity and Elegance –
Humble and Open-Minded

ZCT Series



Product Model Description



Product Features

- Wide range of specifications for primary current from 63A to 1500A;
- Suitable for motor protection, relay protection, and electrical fire monitoring systems;
- Equipped with high-permeability nanocrystalline core for excellent performance, stable accuracy, and high sensitivity;
- Enclosure made of high-impact, flame-retardant materials for enhanced safety and an aesthetically pleasing design;
- Easy to install with screw-mounting structure;
- Superior balancing characteristics with strong resistance to electromagnetic interference;
- Compliant with GB14287.2-2014 standard for “Electrical Fire Monitoring Detectors – Residual Current Type”;

Operating Conditions

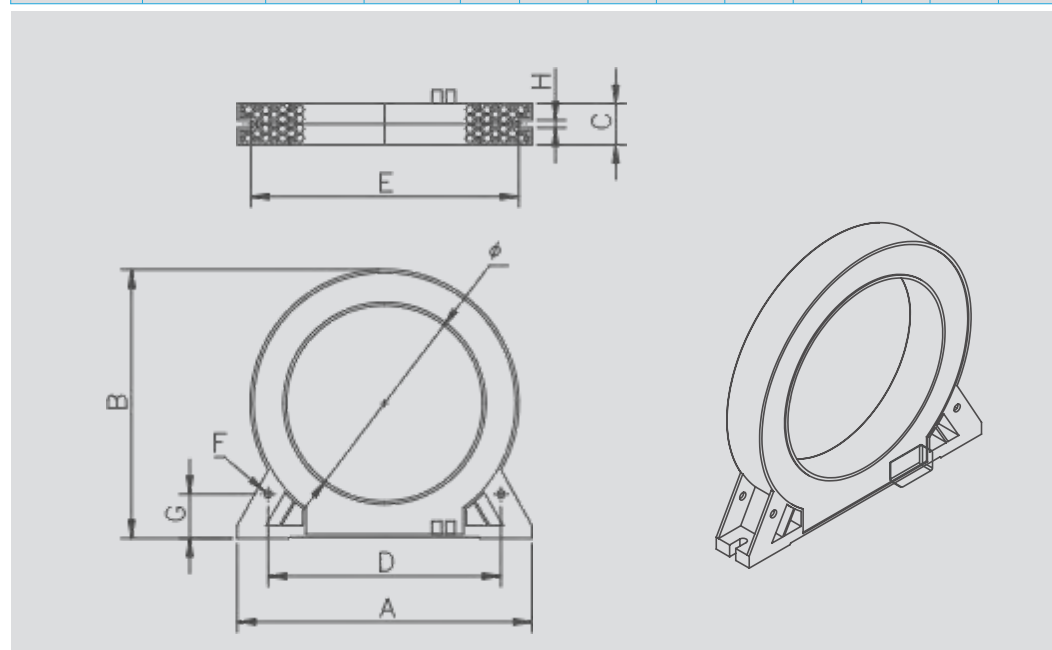
- Operating Temperature: -20°C to +70°C ● Relative Humidity: 10%~95%;
- Altitude: ≤4000m; ● Rated Voltage: 0.66kV; ● Rated Frequency: 50Hz;
- Dielectric Strength: AC 3.0 kV/min (secondary to ground);

Precautions

- The transformer is suitable for AC circuits with rated voltage not exceeding 0.66 kV;
- The total impedance of instruments connected to the secondary winding (including wiring) must not exceed the rated burden;
- Warning: The secondary circuit of the current transformer must never be open during operation;
- When reassembling the transformer after opening, ensure the core is fully and properly closed; otherwise, measurement accuracy may be affected.

Technical Specifications / Dimensions

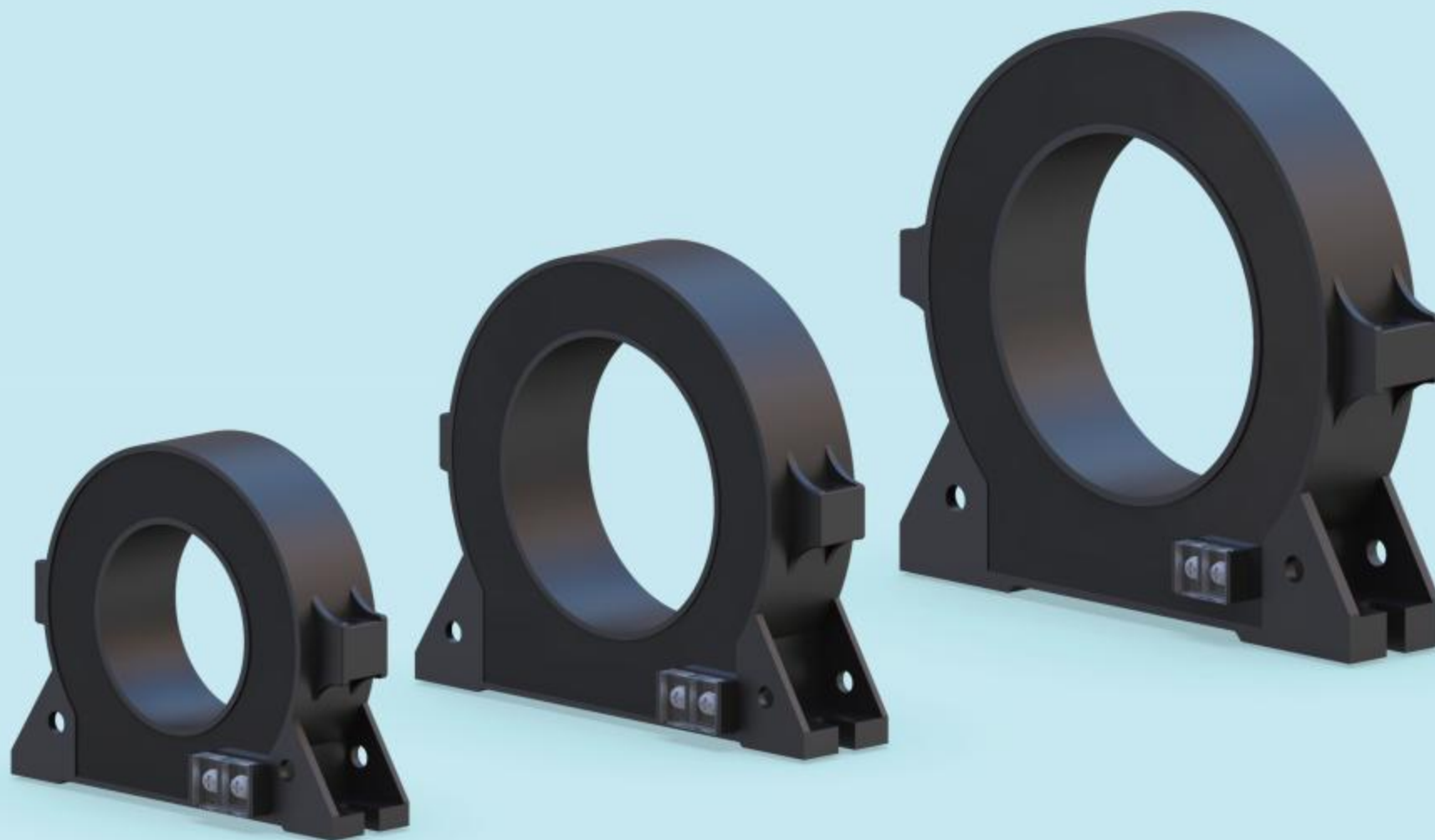
Model Specification	Rated Current Ratio	Rated Burden	Accuracy Class	Dimensions (mm)								
				Φ	A	B	C	D	E	F	G	H
ZCT63T	1A/0.5mA 1A/1mA	20Ω	0.5 1.0	30	76	67	25	58	69	3	11	5
ZCT150T				46	98	86	28	72	87	5	13.5	5
ZCT400T				80	140	129.5	32	105.4	122	6	18	6
ZCT630T				100	167	148	32	123.7	153	6	15.5	6
ZCT800T				120	188	172	32	142	170	6	20.2	6
ZCT1250T				150	225	206	32	178	205	6	33.8	6
ZCT1500T				200	296	274	40	226	278	8	44	6



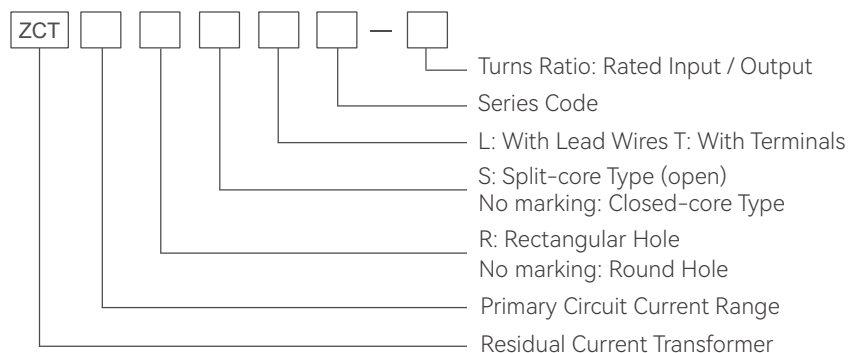
Residual Current Transformer

Integrity and Elegance –
Humble and Open-Minded

ZCTA Series



Product Model Description



Product Features

- Suitable for primary circuit currents ranging from 63A to 630A with a full range of specifications;
- Designed for motor protection, relay protection, and electrical fire monitoring systems;
- Made with high-permeability nanocrystalline cores for excellent performance, high accuracy, and superior sensitivity;
- Housing is constructed from high-impact, flame-retardant material, offering excellent safety and a sleek appearance;
- Easy to install using screw mounting;

Operating Conditions

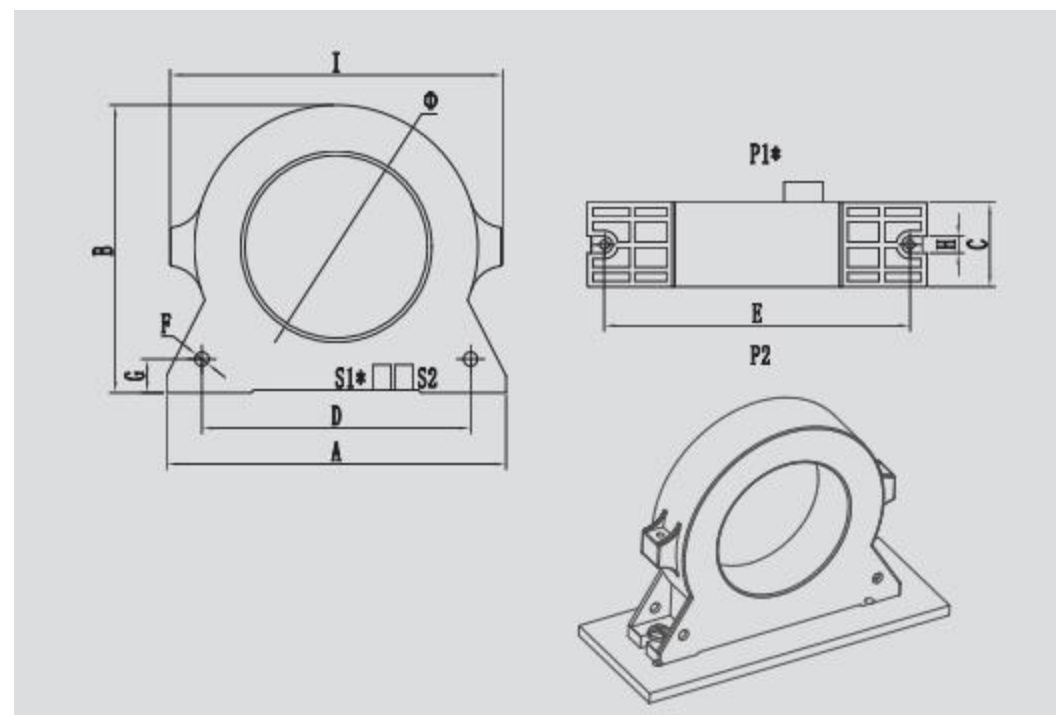
- Operating Temperature: -20°C to +70°C ● Relative Humidity: 10%–95%;
- Altitude: ≤4000m; ● Rated Voltage: 0.66kV; ● Rated Frequency: 50Hz;
- Dielectric Strength: AC 3.0 kV/min (secondary to ground);

Precautions

- The transformer is intended for use in AC circuits with rated voltage not exceeding 0.66kV;
- The total impedance of external instruments connected to the secondary winding (including wiring) must not exceed the rated burden;
- Do not open the secondary circuit while the transformer is in operation;

Technical Specifications / Dimensions

Model Specification	Rated Current Ratio	Rated Burden	Accuracy Class	Dimensions (mm)									
				Φ	A	B	C	D	E	F	G	H	I
ZCT63TA	1A/0.5mA 1A/1mA	20Ω	0.5 1.0	30	76	67	25	58	69	3	11	5	79
ZCT150TA				45	100	80	24	71.5	85	5	13.5	5	96
ZCT250TA				65	121.5	103	26	95	109	5	12	5	118.5
ZCT400TA				80	140.5	130	28	105.5	128	6	18	5	148
ZCT630TA				100	168	148	28	128.5	155	6	20	6	168



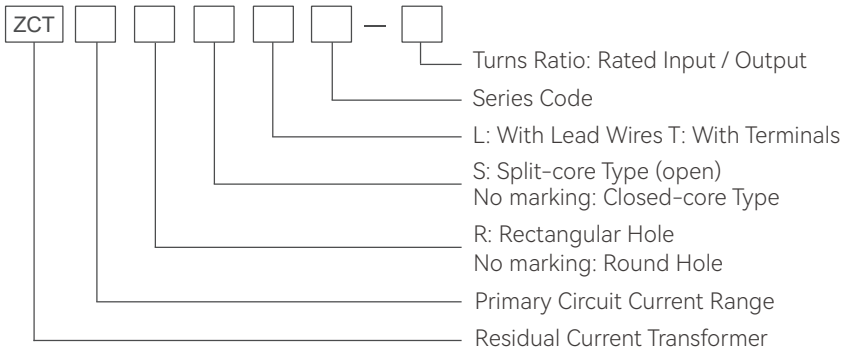
Residual Current Transformer

Integrity and Elegance –
Humble and Open-Minded

ZCTR Series



Product Model Description



Product Features

- Designed for primary circuit currents from 250A to 1600A, with a complete range of models;
- Suitable for motor protection, relay protection, and electrical fire monitoring systems;
- Core material is high-permeability nanocrystalline alloy, ensuring excellent performance, stable accuracy, and high sensitivity;
- Housing is made from high-impact, flame-retardant material, providing strong safety and an attractive appearance;
- Easy installation with screw-mounted fixing structure;
- Compliant with GB/T 20840.2-2014 standard: Current Transformers;

Operating Conditions

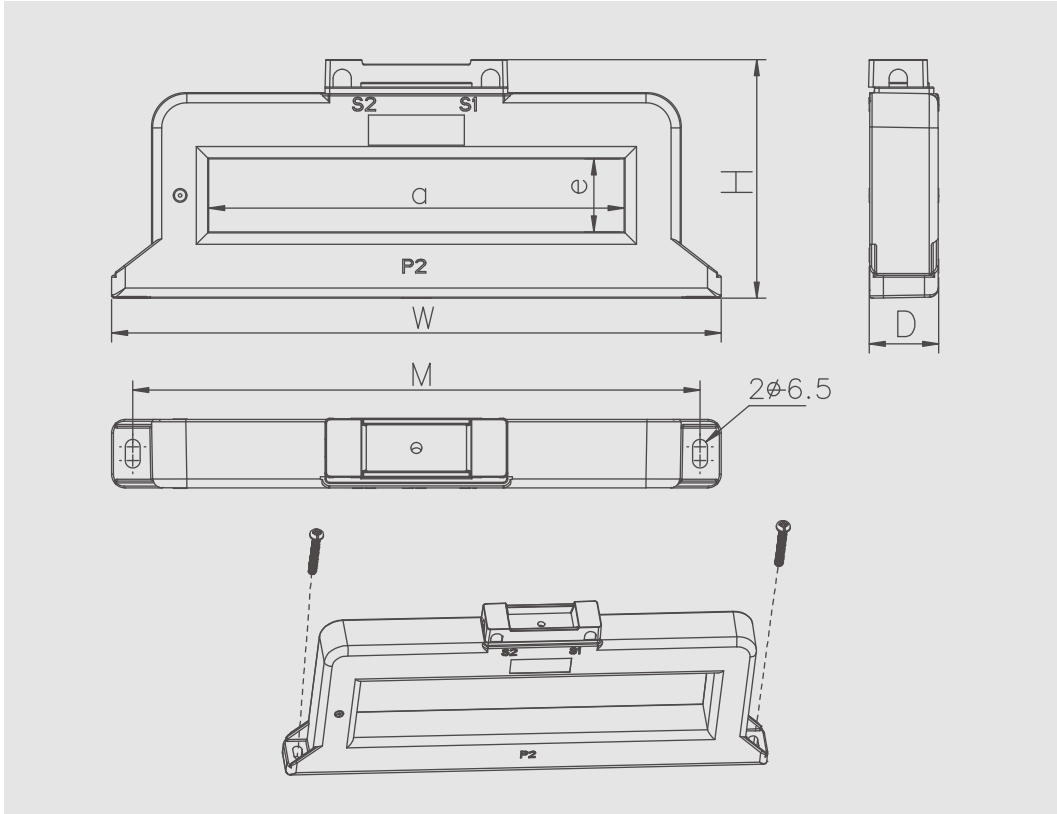
- Operating Temperature: -20°C to +70°C ● Relative Humidity: 10%~95%;
- Altitude: ≤4000m; ● Rated Voltage: 0.66kV; ● Rated Frequency: 50Hz;
- Insulation Withstand Voltage: AC 3.0 kV/min (between secondary and ground);

Precautions

- Applicable in AC systems with rated voltage not exceeding 0.66 kV;
- The total impedance of instruments connected to the secondary winding (including wiring) must not exceed the rated burden;
- Warning: Never leave the secondary circuit open during operation;

Technical Specifications / Dimensions

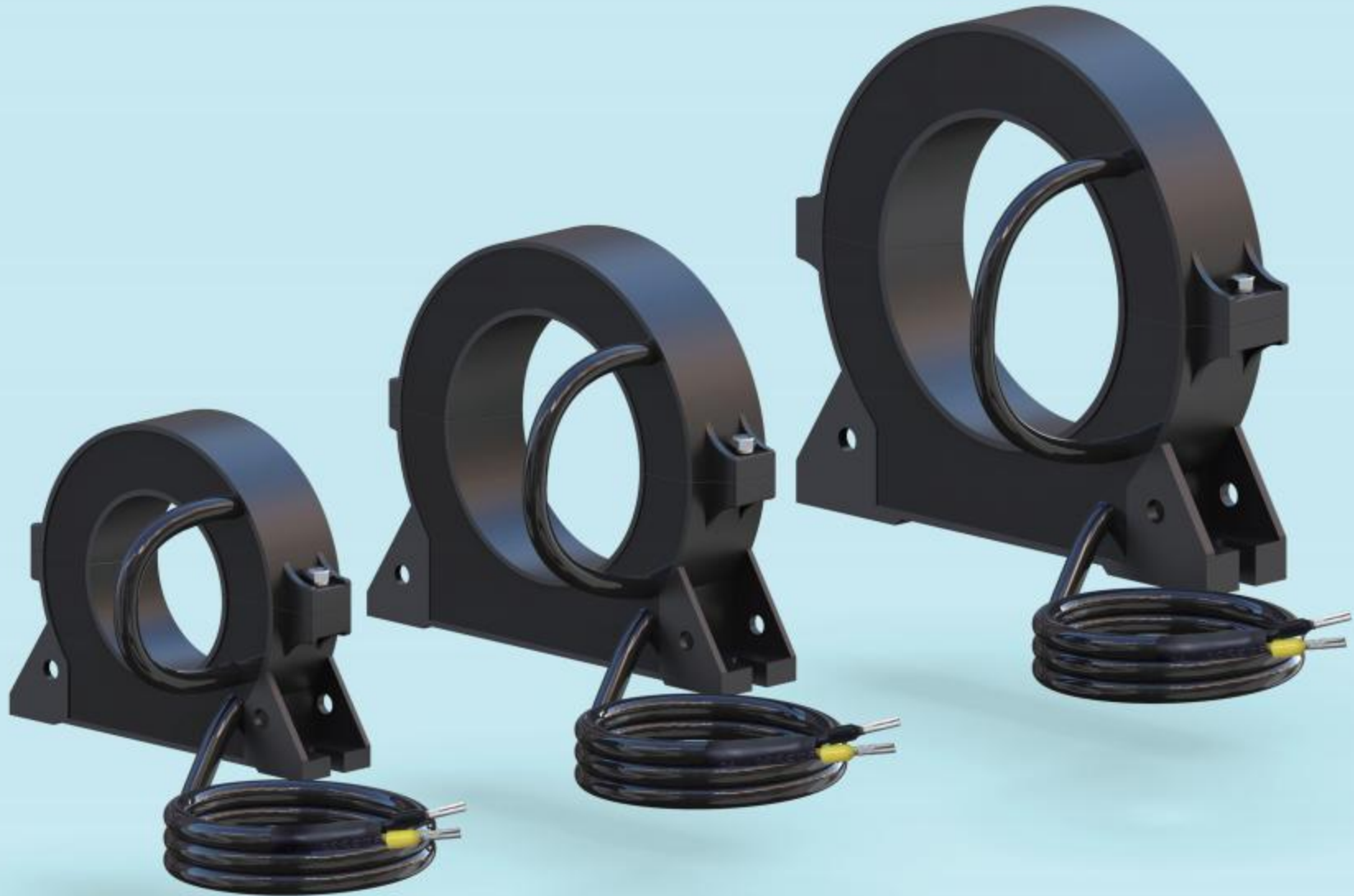
Model Specification	Rated Current Ratio	Rated Burden	Accuracy Class	Dimensions (mm)							
				W	H	D	a	e	M		
ZCT250R	1A/0.5mA	20Ω	0.5	227	104.5	30	142	32	208.5		
ZCT400R				1.0	267	104.5	30	182	32	248.5	
ZCT800R	1A/1mA				334	136.5	30	245	55	316.5	
ZCT1600R					394	137	32	305	55	376.5	



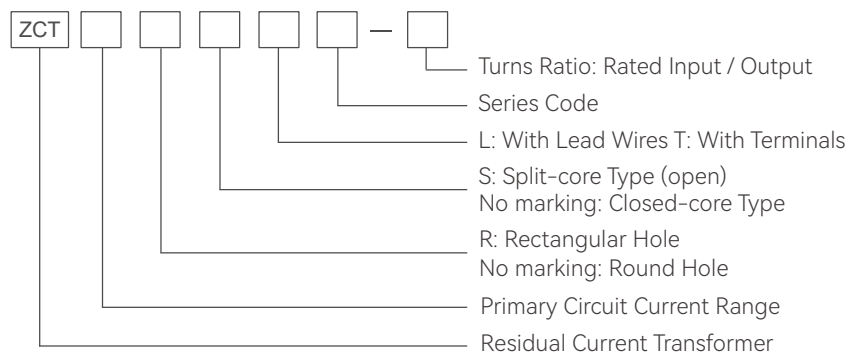
Split-Core Residual Current Transformer

ZCTSL Series

Integrity and Elegance –
Humble and Open-Minded



Product Model Description



Product Features

- Suitable for primary circuit current from 63A to 630A, with full model range;
- Designed for motor protection, relay protection, and electrical fire monitoring systems;
- Core made of high-permeability nanocrystalline material for excellent performance, stable accuracy, and high sensitivity;
- Housing made of high-impact, flame-retardant material, providing safety and a sleek appearance;
- Easy to install with screw-type mounting;
- Excellent balance characteristics and strong resistance to electromagnetic interference;
- Performance complies with GB14287.2-2014 technical standard: Residual Current Type Electrical Fire Monitoring Detectors;

Operating Conditions

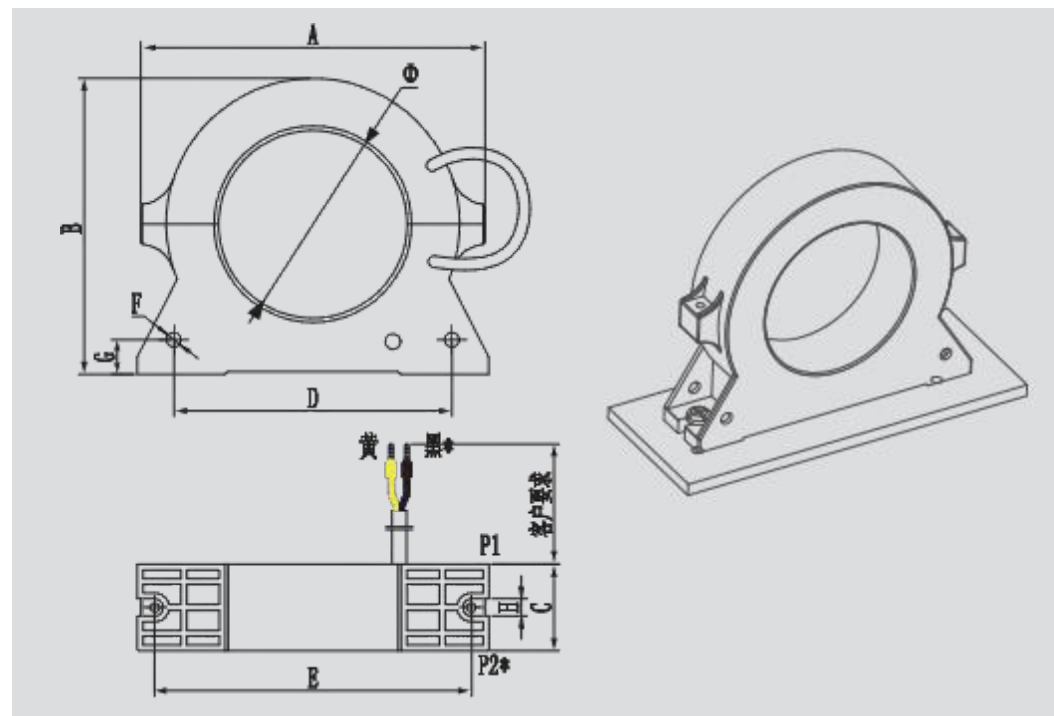
- Operating Temperature: -20°C to +70°C ● Relative Humidity: 10%~95%;
- Altitude: ≤4000m; ● Rated Voltage: 0.66kV; ● Rated Frequency: 50Hz;
- Isolation Withstand Voltage: AC 3.0 kV/min (secondary to ground);

Precautions

- Designed for use in AC circuits with rated voltage not exceeding 0.66 kV;
- The total impedance (including wiring) of instruments connected to the secondary winding must not exceed the rated burden;
- Warning: Never open the secondary circuit while the transformer is operating;
- After opening and re-closing the transformer, ensure the core is properly aligned—improper contact may affect measurement accuracy;

Technical Specifications / Dimensions

Model Specification	Rated Current Ratio	Rated Burden	Accuracy Class	Dimensions (mm)								
				Φ	A	B	C	D	E	F	G	H
ZCT63SL	1A/0.5mA 1A/1mA	20Ω	0.5 1.0	30	79	66	25	58	69	3	11	5
ZCT150SL				45	96	79	24	71.9	85	5	13.5	5
ZCT250SL				65	118.5	101	26	95.7	109	5	12	6
ZCT400SL				80	148	128	28	105.5	124	6	18	6
ZCT630SL				100	168	146	28	129.5	152	6	20	6



Zero-Sequence Current Transformer

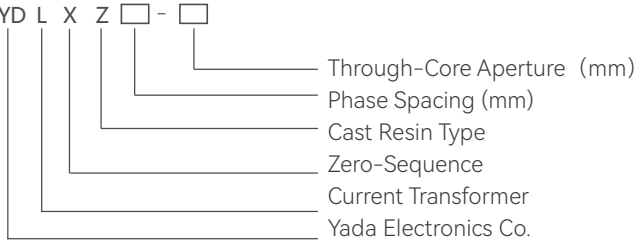
YDLXZ Series

Integrity and Elegance –
Humble and Open-Minded

Designed for systems such as ring main
units and pole-mounted switches.



Product Model Description



Technical Specifications / Dimensions

Model Specification	Rated Primary Current	Rated Secondary Current	Rated Burden	Accuracy Class	Dimensions (mm)
YDLXZ110-83	50A~1200A	5A 1A	2.5VA ~ 10VA	0.5、1、3 10P10、10P15	360×160×40
YDLXZ135-82	50A~1200A				434×170×48

Product Features

- Wide range of primary current from 50A to 1200A; secondary current available in 5A or 1A, with complete specifications.
- Suitable for zero-sequence current measurement and microcomputer protection in ring main unit switchgears and pole-mounted switches.
- Core undergoes high-vacuum heat treatment for excellent performance and stable accuracy.
- Housing made from high-impact, flame-retardant PC material for superior safety and attractive appearance.
- Embedded mounting inserts at the base for easy on-site installation.
- Performance complies with GB/T 20840.2-2014 Current Transformers technical standard.;

Operating Conditions

- Operating Temperature: -40℃ to +70℃
- Relative Humidity: 10%-95%;
- Altitude: ≤4000m;
- Rated Voltage: 3-10 kV;
- Rated Frequency: 50Hz;
- Isolation Withstand Voltage: AC 3.0 kV/min (secondary to ground);

Precautions

- The transformer is designed for use in AC circuits with rated system voltage not exceeding 10 kV. The operating current should not exceed the rated value under continuous operation.
- The conductor passing through the transformer must be a high-voltage insulated busbar cable or bus duct.
- This is a subtractive polarity transformer, with primary terminals marked P1 and P2, and corresponding secondary terminals marked S1 and S2.
- Measuring instruments should be connected to terminals S1 and S2. The total impedance of the external circuit (including wiring) connected to the secondary winding must not exceed the rated burden.
- Warning: The secondary circuit of the current transformer must never be open while in operation;

