

HEYI ELECTRICAL

Product Catalog



YUEQING HEYI ELECTRICAL CO.,LTD



OUR INTRODUCTION

Welcome to Yueqing HEYI Electrical Co., Ltd.

HEYI, established in 2012, who specialized in research ,design, manufacturing, and distribution of current transformers, a variety of split core current transformer ,mini current transformer, Rogowski coils ,hall effect current sensor and related accessories, which is widely used in Smart Grid Industry all covering distribution, Saving&Protecting& Metering Electicity, and Power System.(With an emphasis on continuous improvement, innovation and high performanceand cost-effective solutions). we have strong R&D and QC team to innovate new continues solutions, additions and extensions in the pursuit of not only meeting but exceeding market demand and to offer the best solutions for our customers.

HEYI mission is to provide reliable ,accurate and customized current transformer solution

HEYI vision is leading global split core CT manufacture and energy solution provider

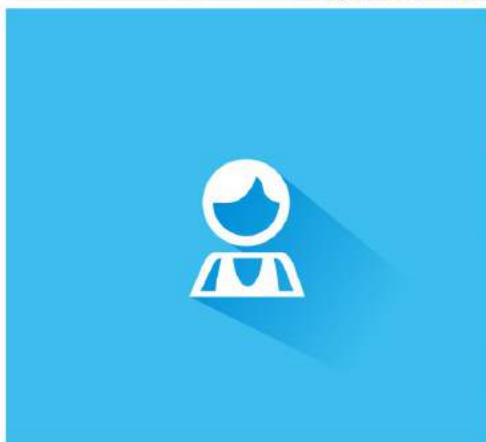
HEYI Values Enthusiastic by our work, we offer quality personal and close service to our customers

HEYI sincerely supply you with high quality products and high effect service, willing to start deep cooperation with you soon after!!



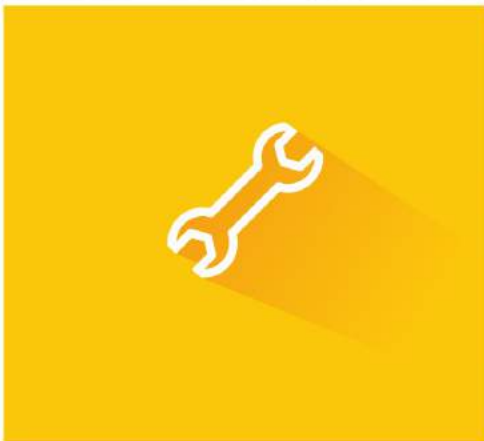
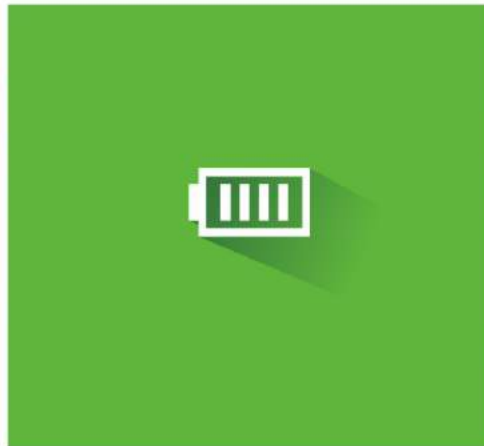
OVERSEAS

customers



ENTERPRISE

Production equipment





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FRC Series



FRC is a flexible current transducer based on Rogowski principle, particularly suitable for measurement in combination with portable devices. FRC Rogowski coils are available in different sizes and can be supplied according to customer's design, therefore they can be used in all those applications, in which traditional transducers are not fitting due to its size and/or weight. Due to its specific features, flexible Rogowski coil is an extremely comfortable solution for current measurement and can be used in a number of cases where traditional current transducer is not the adequate solution.

Features:

- Suitable to measure currents from A to hundreds of kA.
- High linearity.
- The absence of magnetic core grants a wide frequency response to be suitable for measurement of harmonic content and transients.
- Very useful with large size or awkward shaped conductors or in places with limited access.
- Non-intrusive, no power drawn from the main.
- Not damaged by large overloads.
- There is no danger from open-circuited secondary.

Applications:

- Measuring devices, lab instrumentation
- Harmonics and transients monitoring
- Very high current monitoring
- Power quality monitoring
- Power control systems
- DC ripple measurement
- Electric furnace
- Relay protection

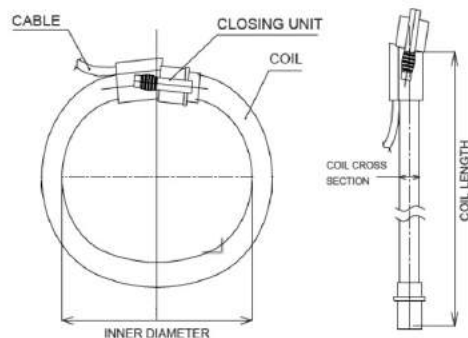
Specification:

Transducer	
Coil length:	210mm/350mm/420mm/510mm/600mm/800mm
Inner diameter:	60mm/103mm/125mm/155mm/180mm/245mm (± 10%)
Coil cross section:	6.5 ± 0.2 mm/8 ± 0.2 mm/10 ± 0.2 mm
Fastening:	bayonetholder
Material:	thermoplastic UL94-V0
Color:	coil: black, red, yellow, blue (other color could be customized)
Connection Cable	
Type:	cable (with 3-wire terminal) cable + BNC/Oscilloscope Interface
Length:	3000 mm (standard), other length could be customized.
Material:	Xy23/0.1 T/s/2C + A + B
Color:	black
Electrical Characteristics	
Output level (RMS):	40mV/1000A @50Hz, 80mV/1000A @50Hz, 100mV/1000A @50Hz
Accuracy:	class 1.0 (coil must be calibrated with amplifier/integrator load impedance)
Linearity (10% to 100% of range):	± 0.1% of reading
Frequency range/Bandwidth:	approx 10Hz to 10MHz
Phase shift:	90°
Conductor position sensitivity:	± 2% Maximum
Influence of external field:	± 2% Maximum
Environmental Conditions	
Operating temperature:	from -20°C to +75°C
Storage temperature:	from -30°C to +75°C (suggest normal temperature)

FRC Series

Safety

Working voltage(max):	1000Vrms CATIII, 600Vrms CATIV
Hipot test:	7400Vrms @50/60Hz 1min.



Output graph



Cable Connection:



CABLE (with 3-wire terminal)



CABLE + BNC

FRC Series

Model Code:

Model	Coil length (mm)	Inner diameter (mm)	Output level (RMS)	Coil color
FRC	210 mm	60mm $\pm$ 10%	40mV/1000A @50Hz	Black, Red, Yellow
FRC	350 mm	103mm $\pm$ 10%	40mV/1000A @50Hz	Black, Red, Yellow
			80mV/1000A @50Hz	Black, Red, Yellow, Blue
			40mV/1000A @50Hz	Black, Red, Yellow
FRC	420 mm	125mm $\pm$ 10%	80mV/1000A @50Hz	Black, Red, Yellow, Blue
			100mV/1000A @50Hz	Black, Red, Yellow
FRC	510 mm	155 mm $\pm$ 10%	80mV/1000A @50Hz	Black, Red, Yellow, Blue
			100mV/1000A @50Hz	Black, Red, Yellow
FRC	600 mm	180 mm $\pm$ 10%	100mV/1000A @50Hz	Black, Red, Yellow
FRC	800 mm	245 mm $\pm$ 10%	100mV/1000A @50Hz	Black, Red, Yellow

Flexible Rogowski Coil With G1 Integrator



G1 is a USB-sized integrator, could be combined with any model and any size of FRC series rogowski coil to amplify the output signal. It's essential to equalize and shift by 90° the output signal from the Rogowski coils. It consists of an active electronic circuit with negligible offset and a good linearity. Flexible rogowski coil with G1 integrator meets customer requirements for different outputs and allows for more interfacing with more measurement devices.

Specification:

Electrical Characteristics	
Current range:	1A – 10KA
Output level (RMS):	333mV (any volt signal within 5V could be customised)
Accuracy:	class 1.0 (coil must be calibrated with amplifier/integrator load impedance)
Linearity (10% to 100% of range):	$\pm$ 0.1% of reading
Frequency range/Bandwidth:	approx 10Hz to 100KHz
Conductor position sensitivity:	$\pm$ 2% Maximum
Inuence of external field:	$\pm$ 2% Maximum

Schematic Diagram:



※ When you make the order, please notice what's the input current and output voltage signal do you require. The output volt could be any one within 5V, like 333mV, 1V, 3V and so on.

FRC Series

Flexible Rogowski Coil With G2 Integrator



G2 is a handheld type integrator, could be combined with any model and any size of FRC series rogowski coil to achieve five current range measurement. It's essential to equalize and shift by 90° the output signal from the Rogowski coils. It consists of an active electronic circuit with negligible offset and a good linearity. The output signal can be used in oscilloscope, digital multimeter or data logger recording instrument.

Specification:

Electrical Characteristics	
Current range:	1-500A/1000A/2000A/5000A 1-500A/2000A/5000A/10000A
Output level (RMS):	1V
Accuracy:	class 1.0 (coil must be calibrated with amplifier/integrator load impedance)
Linearity (10% to 100% of range):	± 0.1 % of reading
Frequency range/Bandwidth:	approx 10Hz to 100KHz
Conductor position sensitivity:	± 2 % Maximum
Inuence of external field:	± 2 % Maximum
Output terminals:	BNC plug

Schematic Diagram:



※ When you make the order, please notice what kind of current range do you require.

KCT Series

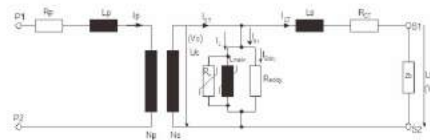


KCT range of split core current transformers have been specifically designed to be mini size which implement the installation of small space, clamp-on design could be easily fit around cables without breaking the circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output.

Features

The structure of the self-locking, safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations
Isolated plastic case recognized according to UL94-V0
Wires plugs, Audio plugs, Power plugs and so on five kinds of plugs

Circuit connection diagram



Applications

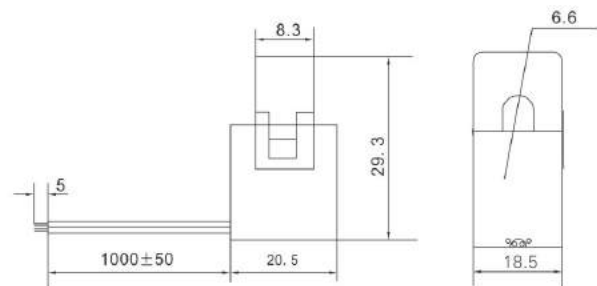
Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50-2KHz
Rated Input	5A-630A
Measuring range	10%In-120%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	$\leq \pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

Electrical Parameter	
Case	Pa66 / UL94-V0
Bobbin	PA66
Core	Ferrite. Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	-25°C~75°C
Operating Humidity	$\leq 85\%$
Output Connection	UI1015 20AWG Wire(twinsted wire)3m

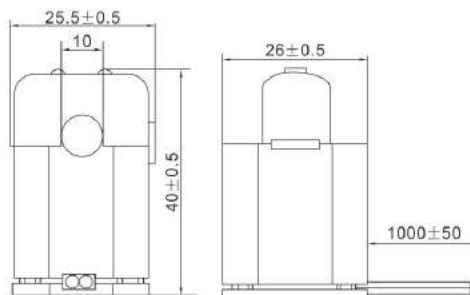
KCT-6



KCT Series

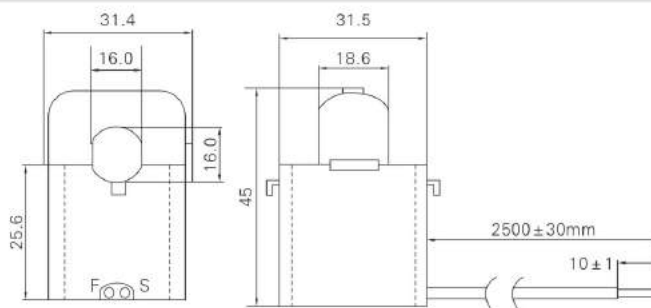
MODEL	KCT-6		
Current Ratio	5A/2.5mA	10A/5mA	20A/10mA
Primary Current(A)	5A	10A	20A
Max. Current(A)	30A	30A	30A
Output	2.5mA	5mA	10mA
Load Resistance(Ω)	200Ω	100Ω	50Ω
Class	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	2000:1	2000:1	2000:1
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P
Insulation Category	CAT III		
Operating Condition	-20°C ~ +50°C, ≤85%RH, No condensation, IN-house&Any direction installable		
Storage Condition	-30°C ~ +50°C, ≤85%RH, No condensation		

KCT-10



MODEL	KCT-10				
Current Ratio	5A/2.5mA	20A/10mA	60A/20mA	75A/25mA	1~75A/0.333V
Primary Current(A)	5A	20A	50A	75A	1~75A
Max. Current(A)	60A	60A	75A	75A	1~75A
Output	2.5mA	10mA	25mA	25mA	333mV
Load Resistance(Ω)	400Ω	100Ω	50Ω	20Ω	/
Class	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	2000:1	2000:1	3000:1	3000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	
Insulation Category	CAT III				
Operating Condition	-20°C ~ +50°C, ≤85%RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30°C ~ +50°C, ≤85%RH, No condensation				

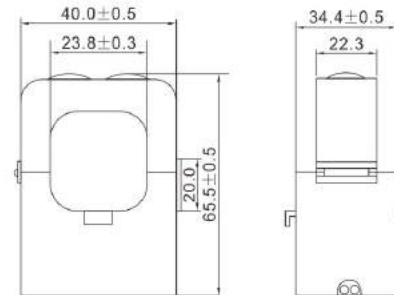
KCT-16



KCT Series

MODEL	KCT-16				
Current Ratio	100A/33.3mA	100A/40mA	120A/40mA	200A/66.7mA	100~200A/0.333V
Primary Current(A)	100A	100A	120A	200A	100~200A
Max. Current(A)	120A	120A	120A	240A	/
Output	33.3mA	40mA	40mA	66.7mA	333mV
Load Resistance(Ω)	50Ω	50Ω	50Ω	50Ω	/
Class	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	3000:1	2500:1	3000:1	3000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	
Insulation Category	CAT III				
Operating Condition	-20℃ ~ +50℃, ≤85%RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30℃ ~ +50℃, ≤85%RH, No condensation				

KCT-24

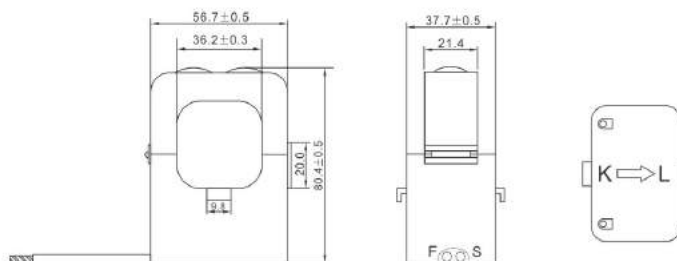


MODEL	KCT-24				
Current Ratio	100A/40mA	200A/40mA	200A/66.7mA	400A/80mA	100~400A/0.333V
Primary Current(A)	100A	200A	200A	400A	100~400A
Max. Current(A)	150A	240A	240A	480A	480A
Output	40mA	40mA	66.7mA	80mA	333mV
Load Resistance(Ω)	50Ω	50Ω	50Ω	50Ω	/
Class	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	2500:1	5000:1	3000:1	5000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	
Insulation Category	CAT III				
Operating Condition	-20℃ ~ +50℃, ≤85%RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30℃ ~ +50℃, ≤85%RH, No condensation				

MODEL	KCT-24					
Current Ratio	100/1A	150/1A	200/1A	250/5A (1A)	300/5A(1A)	400/5A(1A)
Primary Current(A)	100A	150A	200A	250A	300A	400A
Max. Current(A)	120A	180A	240A	300A	360A	480A
Output	1A	1A	1A	5A (1A)	5A (1A)	5A (1A)
Load Resistance(Ω)	1	1	1.5	0.5 (1.5)	0.5 (1.5)	1.5 (1.5)
Class	3.0	1.0	1.0	1.0 (1.0)	1.0 (1.0)	1.0 (1.0)
Turns Ratio	100:1	150:1	200:1	50:1 (250:1)	60:1 (300:1)	80:1 (400:1)
Protection Level	7.5V0-P					
Insulation Category	CAT III					
Operating Condition	-20℃ ~ +50℃, ≤85%RH, No condensation, IN-house&Any direction installable					
Storage Condition	-30℃ ~ +50℃, ≤85%RH, No condensation					

KCT Series

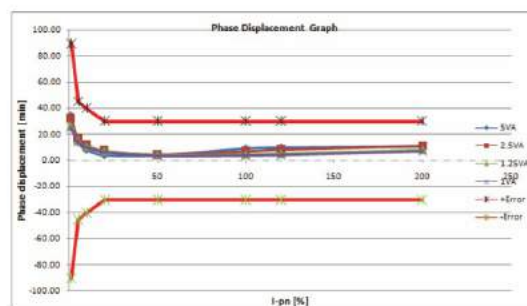
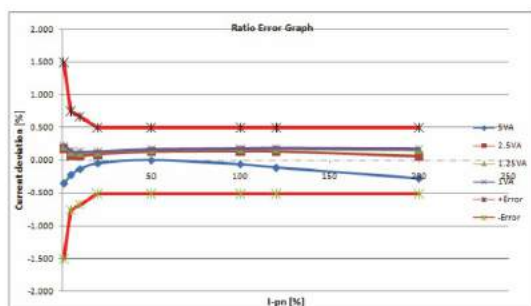
KCT-36



MODEL	KCT-36				
Current Ratio	300A/100mA	400A/40mA	500A/50mA	600A/60mA	300~600A/0.333V
Primary Current(A)	300A	400A	400A	600A	300A~600A
Max. Current(A)	360A	480A	600A	720A	720A
Output	100mA	40mA	50mA	60mA	333mV
Burden(VA)	50 Ω	50 Ω	50 Ω	50 Ω	/
Class	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	3000:1	10000:1	10000:1	10000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	
Insulation Category	CAT III				
Operating Condition	-20℃ ~ +50℃, ≤85%RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30℃ ~ +50℃, ≤85%RH, No condensation				

MODEL	KCT-36					
Current Ratio	200/5A(1A)	250/5A(1A)	300/5A(1A)	400/5A(1A)	500/5A(1A)	600/5A(1A)
Primary Current(A)	200A	250A	300A	400A	500A	600A
Max. Current(A)	240A	300A	360A	480A	600A	720A
Output	5A (1A)	5A (1A)	5A (1A)	5A (1A)	5A (1A)	5A (1A)
Burden(VA)	0.5 (1.5)	0.5 (1.5)	0.5 (1.5)	1.5 (2.5)	1.5 (2.5)	1.5 (2.5)
Class	3.0 (1.0)	1.0 (1.0)	1.0 (1)	1.0 (0.5)	1.0 (0.5)	1.0 (0.5)
Turns Ratio	40:1 (200:1)	50:1(250:1)	60:1(300:1)	80:1(400:1)	100:1(500:1)	120:1(600:1)
Protection Level	7.5V0-P					
Insulation Category	CAT III					
Operating Condition	-20℃ ~ +50℃, ≤85%RH, No condensation, IN-house&Any direction installable					
Storage Condition	-30℃ ~ +50℃, ≤85%RH, No condensation					

Accuracy class characteristics:



HK Series

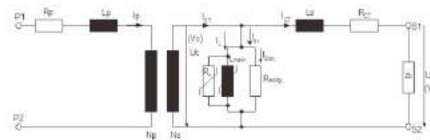


HK range of split core current transformers are designed in particular for easy installation, the quick release button makes the ct the most convenient to fit around cables without cutting off the circuit. HK has advantages of bigger capacity and bigger mounting hole size, could be used in more power applications.

Features

One button clamp-on design, safe, easy to install, portable
Two built in fixing methods: Base; Busbar mounting
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations.
Primary current from 5A to 8000A

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-8000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

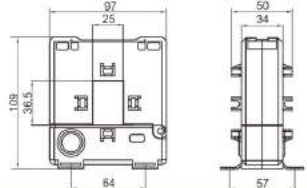
Mechanical Parameter	
Case	PC/UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	-25°C ~ +75°C
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

Standard

IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006



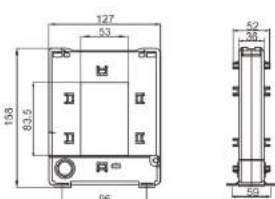
HK-23

Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
HK-23	100/5A	...	1.0	
	150/5A	...	1.0	
	200/5A	2.5	3.75	
	250/5A	3.75	3.75	
	300/5A	5	5	
	400/5A	5	5	

HK Series

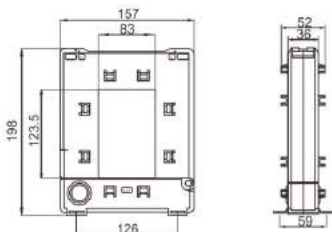


HK-58

Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
HK-58	250/5A	...	2.5	
	300/5A	2.5	2.5	
	400/5A	3.75	5	
	500/5A	5	5	
	600/5A	5	5	
	750/5A	7.5	7.5	
	800/5A	7.5	7.5	
	1000/5A	10	10	
	1200/5A	10	10	
	1500/5A	10	10	

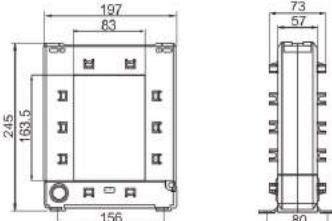


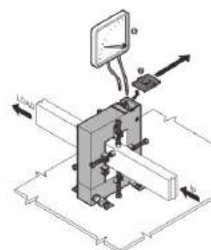
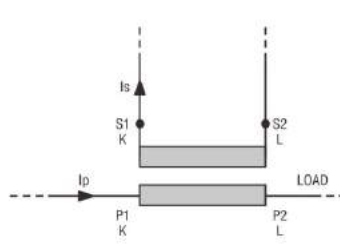
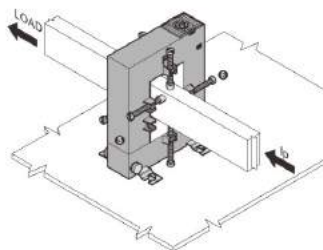
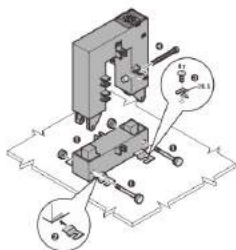
HK-812

Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
HK-812	500/5A	2.5	5	
	600/5A	2.5	5	
	750/5A	5	5	
	800/5A	5	5	
	1000/5A	5	5	
	1200/5A	7.5	10	
	1250/5A	7.5	10	
	1500/5A	10	10	
	1600/5A	10	10	
	2000/5A	10	15	
	2500/5A	10	15	
	3000/5A	10	15	
	4000/5A	10	15	



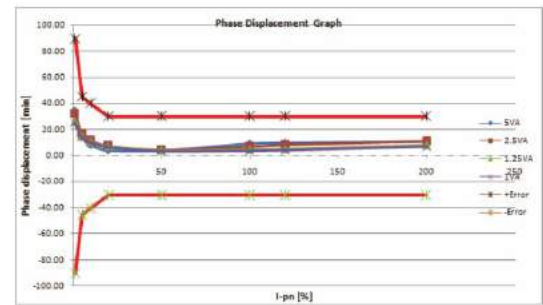
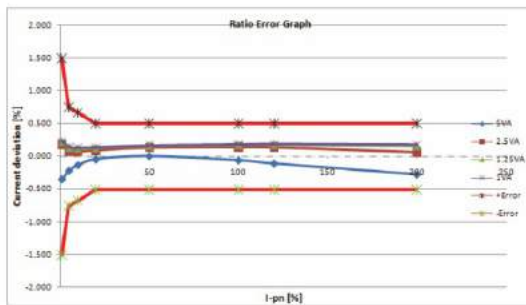
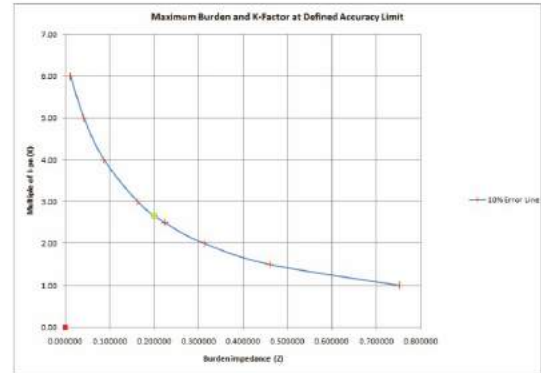
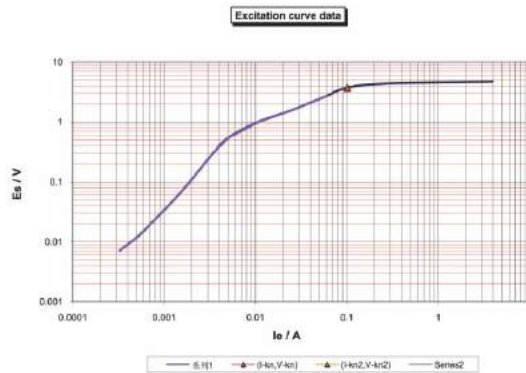
HK-816

Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
HK-816	1000/5A	10	15	
	1200/5A	10	15	
	1500/5A	10	15	
	1600/5A	10	15	
	2000/5A	10	15	
	2500/5A	10	15	
	3000/5A	15	30	
	4000/5A	15	30	
	5000/5A	15	30	
	6000/5A	20	30	
	7500/5A	20	30	
	8000/5A	20	30	



HK Series

Accuracy class characteristics:



CAUTION

Before installation, safety precautions must be followed by licensed professional.
Never energize primary unless short circuited terminals or burden connected to secondary.

Customized Service

HK Series Split Core Current Transformers can be build 1A, mA and mV outputting. Please inquiry if you have customized requirement before ordering.

DP Series

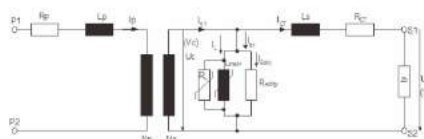


DP range of split core current transformers have been designed to easily fit around cables without breaking the circuit. Its advantages of big capacity and big mounting hole size, could be used in more power applications. DP was global used in most power applications.

Features

- Double-screw fastening, safe, easy to install, portable
- Two built in fixing methods: Base; Busbar mounting
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations.
- Primary current from 5A to 6000A

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram

Electrical Parameter	
Frequency	50–400Hz
Rated Input	5A–6000A
Measuring range	5%In–120%In
Rated Output	0–5A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

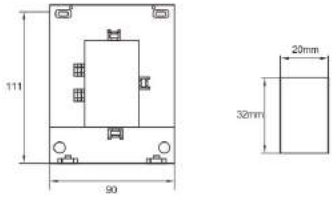
Electrical Parameter	
Case	PC/UL94–V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	–25°C +75°C
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

Standard

IEC61869–2, EN60044–1, VDE0414–44–1, GB1208–2006



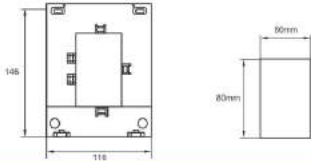
DP-23

TYPE	Rated Current ratio(A)	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP-23	100/5A	...	1.5	
	150/5A	...	2.5	
	200/5A	...	2.5	
	250/5A	...	3.75	
	300/5A	2.5	5	
	400/5A	2.5	5	

DP Series

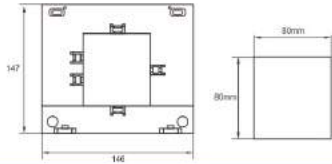


DP-58

TYPE	Rated Current ratio(A)	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP-58	250/5A	...	2.5	
	300/5A	...	2.5	
	400/5A	2.5	2.5	
	500/5A	2.5	5	
	600/5A	2.5	5	
	800/5A	3.75	5	
	1000/5A	5	10	

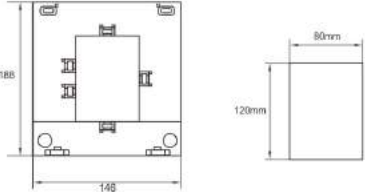


DP-88

TYPE	Rated Current ratio(A)	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP-88	250/5A	...	1.5	
	300/5A	...	1.5	
	400/5A	...	2.5	
	500/5A	1.5	2.5	
	600/5A	1.5	2.5	
	800/5A	3.75	5	
	1000/5A	7.5	7.5	

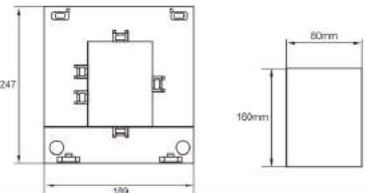


DP-812

TYPE	Rated Current ratio(A)	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP-812	500/5A	...	2.5	
	600/5A	...	2.5	
	750/5A	2.5	5	
	800/5A	2.5	5	
	1000/5A	5	10	
	1200/5A	5	10	
	1250/5A	5	10	
	1500/5A	5	10	
	2000/5A	5	10	

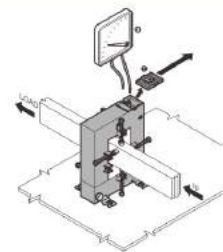
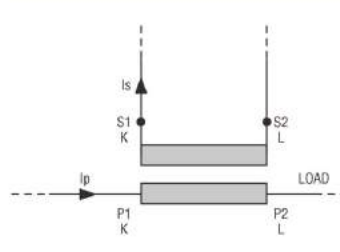
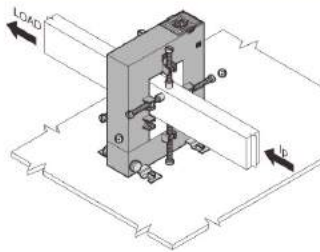
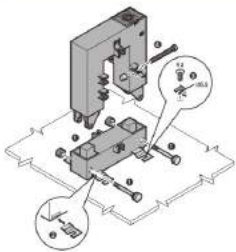
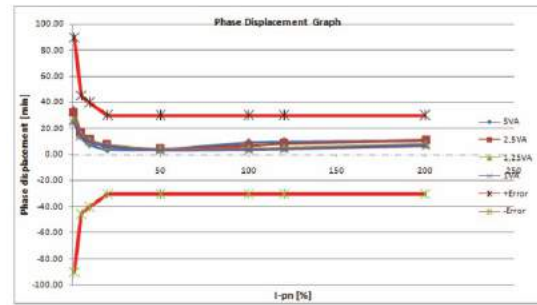
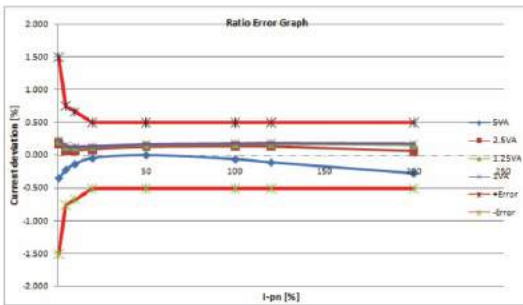
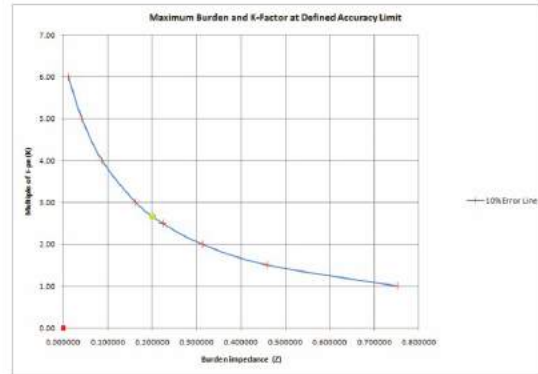
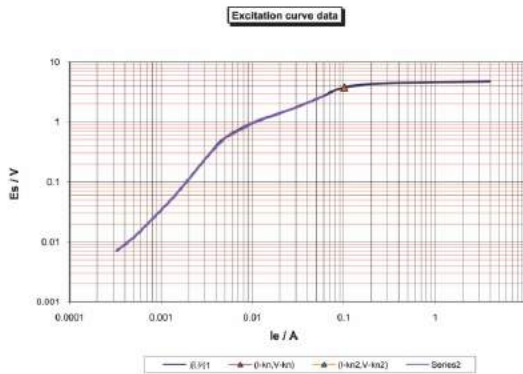


DP-816

TYPE	Rated Current ratio(A)	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP-816	1000/5A	5	10	
	1500/5A	7.5	10	
	2000/5A	10	15	
	2500/5A	15	20	
	3000/5A	20	25	
	4000/5A	20	25	
	5000/5A	20	25	
	6000/5A	20	25	

DP Series

Accuracy class characteristics:



CAUTION

Before installation, safety precautions must be followed by licensed professional.
Never energize primary unless short circuited terminals or burden connected to secondary.

Customized Service

DP Series Split Core Current Transformers can be build 1A, mA and mV outputing. Please inquiry if you have customized requirement before ordering.

HACT Series



HACT split core current transformer provides precision measurement for energy monitoring applications to sensing power loading equipment without interrupting the lines. It has been specifically designed to be easy to open and yet maintain the accuracy required for intelligent meter, quick to fit around cables.

Features

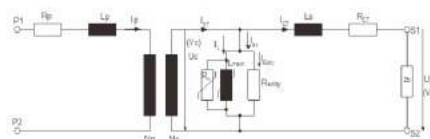
Reliable locking mechanism, safe, easy to install, portable.

Clamp On ergonomic design

Precision measurement and low phase shift

Wires plugs, Audio plugs, Power plugs and so on five kinds of plugs

Circuit connection diagram



Applications

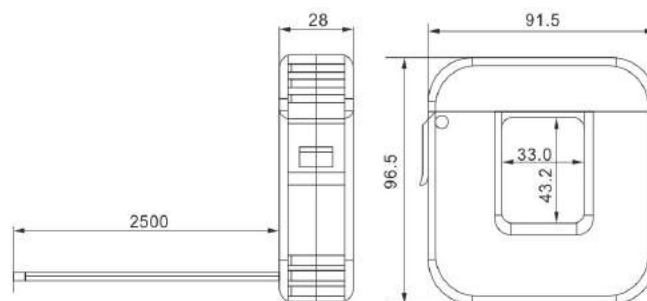
Current measurement, monitoring and protection for electrical wiring and equipment.

Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.

Current, power and energy monitoring device.

Relay protection device.

Dimension



Specification

MODEL	HACT				
Current Ratio	300A/100mA	400A/40mA	500A/50mA	600A/60mA	300 ~ 600A/0.333V
Primary Current(A)	300A	400A	500A	600A	300A ~ 600A
Max. Current(A)	360A	480A	600A	720A	720A
Output	100mA	40mA	50mA	60mA	0.333V
Load Resistance(Ω)	50 Ω	50 Ω	50 Ω	50 Ω	/
Class	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Turns Ratio	3000:1	10000:1	10000:1	10000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	
Insulation Category	CAT III				
Operating Condition	-20℃ ~ +50℃, ≤85% RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30℃ ~ +50℃, ≤85% RH, No condensation				

Customized Service

HACT Series Split Core Current Transformers can be build 1A and 5A outputing. Please inquiry if you have customized requirement before ordering.

SCT Series

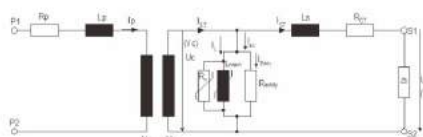


SCT range of split core current transformers have been specially designed to facilitate their installation in new or already existing net works. They can be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the ct provides a low safe voltage output.

Features

Split core design, safe, easy to install, portable.
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations
Wires plugs, Audio plugs, Power plugs and so on five kinds of plugs

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

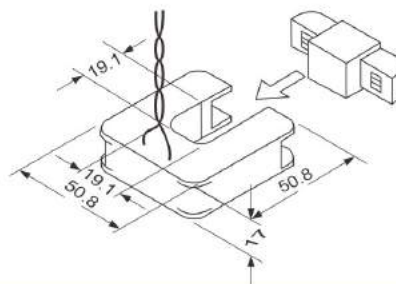
Technique Index

Electrical Parameter	
Frequency	50–2KHz
Rated Input	5A–1500A
Measuring range	10%In–120%In
Rated Output	0.333V(AC)or 0–500mA
Ratio	$\leq \pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

Electrical Parameter	
Case	PA66 / UL94–V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	–25°C–75°C
Operating Humidity	$\leq 85\%$
Output Connection	UI1015 20AWG Wire(twisted wire)3m

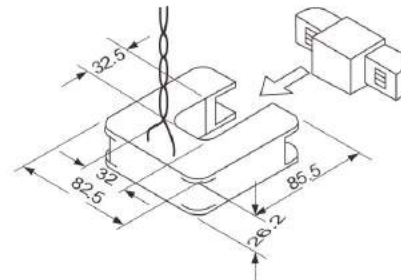
Standard

IEC61869–2, EN60044–1, VDE0414–44–1, GB1208–2006

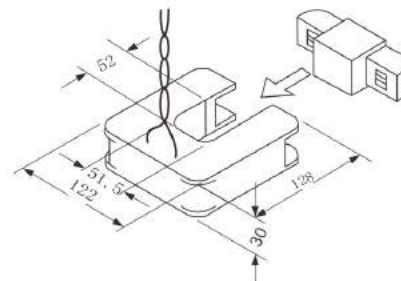


SCT Series

MODEL	SCT-19			
Current Ratio	50A/10mA	100A/20mA	200A/33.3mA	200A/0.333V
Primary Current(A)	50A	100A	200A	200A
Max. Current(A)	60A	120A	240A	240A
Output	10mA	20mA	33.3mA	333mV
Load Resistance(Ω)	50 Ω	50 Ω	20 Ω	/
Class	1.0	1.0	1.0	1.0
Turns Ratio	5000:1	5000:1	6000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P
Insulation Category	CAT III			
Operating Condition	-20°C ~ +50°C, ≤85% RH, No condensation, IN-house&Any direction installable			
Storage Condition	-30°C ~ +50°C, ≤85% RH, No condensation			



MODEL	SCT-32				
Current Ratio	200A/40mA	300A/60mA	400A/40mA	600A/60mA	400A/0.333V
Primary Current(A)	200A	300A	400A	600A	400A
Max. Current(A)	240A	360A	480A	720A	480A
Output	40mA	60mA	40mA	60mA	333mV
Load Resistance(Ω)	50 Ω	50 Ω	50 Ω	25 Ω	/
Class	1.0	1.0	1.0	1.0	1.0
Turns Ratio	5000:1	5000:1	10000:1	10000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P
Insulation Category	CAT III				
Operating Condition	-20°C ~ +50°C, ≤85% RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30°C ~ +50°C, ≤85% RH, No condensation				

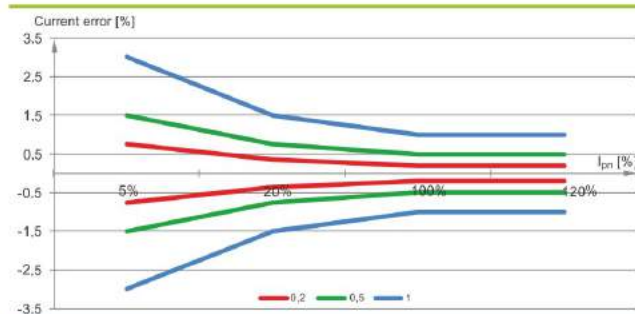


SCT Series

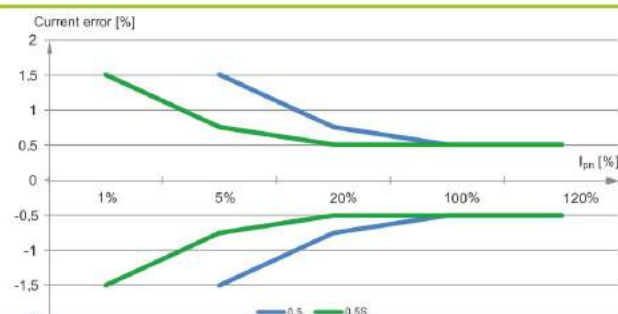
MODEL	SCT-52				
Current Ratio	500A/25mA	600A/30mA	1000A/50mA	1500A/75mA	800A/0.333V
Primary Current(A)	500A	600A	1000A	1500A	800A
Max. Current(A)	600A	720A	1200A	1800A	960A
Output	25mA	30mA	50mA	750mA	333mV
Load Resistance(Ω)	50 Ω	50 Ω	50 Ω	25 Ω	/
Class	1.0	1.0	1.0	1.0	1.0
Turns Ratio	20000:1	20000:1	20000:1	20000:1	/
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P	7.5V0-P
Insulation Category	CAT III				
Operating Condition	-20°C ~ +50°C, $\leq$ 85%RH, No condensation, IN-house&Any direction installable				
Storage Condition	-30°C ~ +50°C, $\leq$ 85%RH, No condensation				

Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



UK Series



UK Series split-core current transformer has been specially designed to facilitate their installation in new or already existing networks.

They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installations costs.

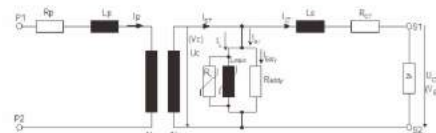
Features

Double-screw fastening, safe, easy to install, portable.

Wide inner window, allowing clamping of big cables or bus-bars.

Wide range of sizes to accommodate all the existing installations.

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.

Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.

Current, power and energy monitoring device.

Relay protection device

Circuit connection diagram

Technique Index

Electrical Parameter	
Frequency	50–400Hz
Rated Input	100A–1000A
Measuring range	5% In–130% In
Rated Output	5A/1A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PA/UL94–V0
Bobbin	PA
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

Standard

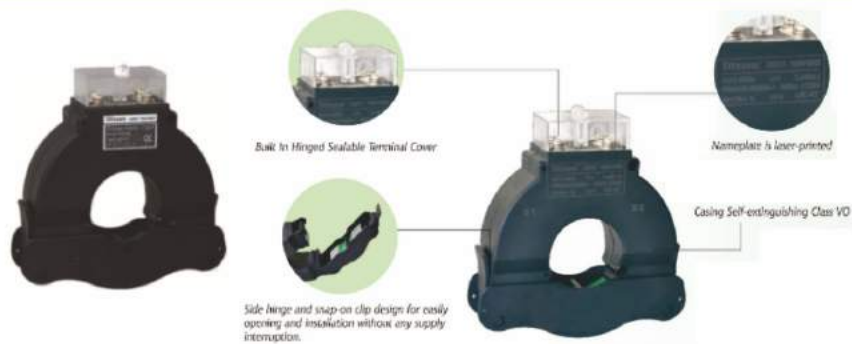
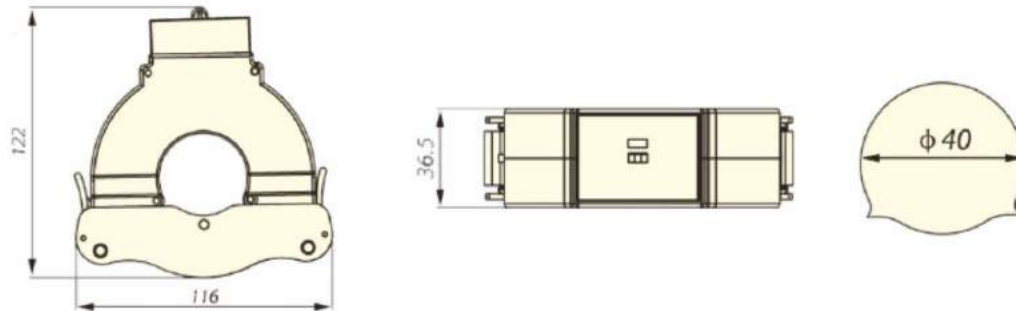
IEC61869–2, EN60044–1, VDE0414–44–1, GB1208–2006

Type Selection (Output: A)

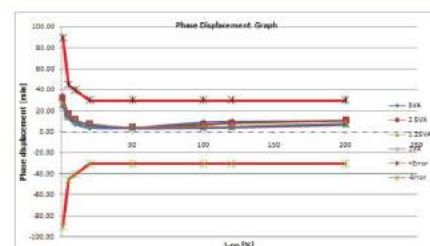
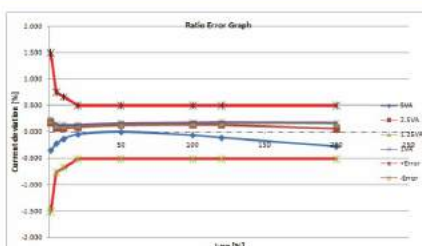
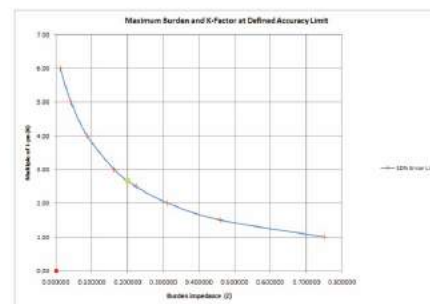
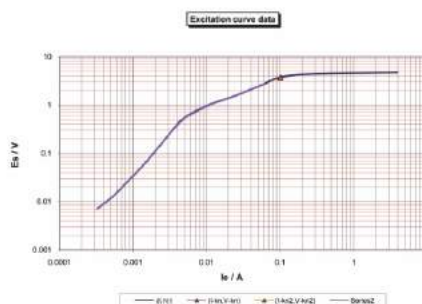
Input/Output (A)	Burden (VA)/Class		
	0.5	1.0	3.0
100/5	1.5	2.5	3.75
150/5	1.5	2.5	3.75
200/5	1.5	2.5	5
250/5	1.5	2.5	5
300/5	2.5	2.5	5
400/5	2.5	3.75	5
500/5	2.5	3.75	5
600/5	2.5	3.75	5
800/5	5	10	15
1000/5	5	10	15

Input/Output (A)	Burden (VA)/Class		
	0.5	1.0	3.0
100/1	1.5	2.5	3.75
150/1	1.5	2.5	3.75
200/1	1.5	2.5	5
250/1	1.5	2.5	5
300/1	1.5	2.5	5
400/1	2.5	3.75	5
500/1	2.5	3.75	5
600/1	2.5	3.75	5
800/1	5	10	15
1000/1	5	10	15

UK Series



Accuracy class characteristics:



LMZW-0.66 Series



LMZW-0.66 Series current transformer, is a kind of CT used outdoor. It's applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against damage, in the AC circuit with the rated voltage below 720V at 50Hz/60Hz. Its accuracy can up to 0.5, 0.5s and 0.2.

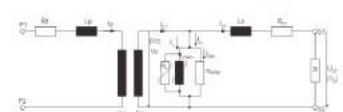
Features

Outdoor used current transformer
High accuracy of 0.5, 0.5s and 0.2
Safe, easy to install, portable

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Relay protection device.

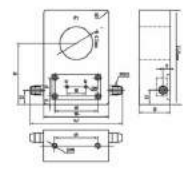
Circuit connection diagram



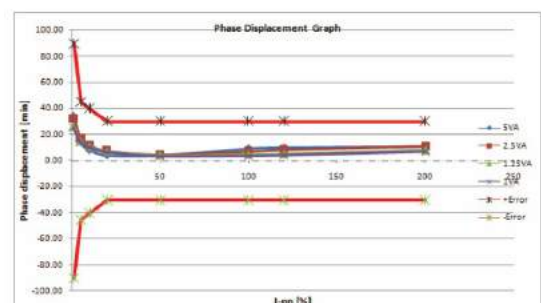
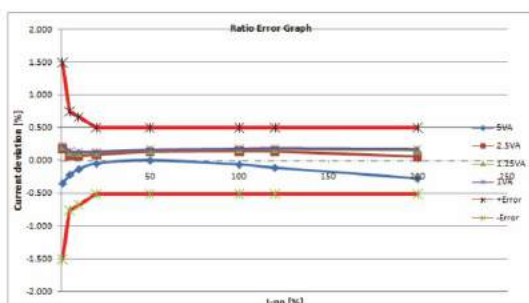
Technique Index

Primary current	5A-600A
Secondary current	5A, 1A
Rated voltage	0.5kV/0.3kV
Rated frequency	50/60Hz
Rated load	2.5-10VA
Class	0.5, 0.5s, 0.2
Rated security coefficient	Fs<5

LMZW-0.66

Image	Ratio	Burden(VA)			Dimension
		0.5	0.5s	0.2	
	150/5A	5	5	5	
	200/5A	5	5	5	
	250/5A	5	5	5	
	300/5A	5	5	5	
	400/5A	5	5	5	
	500/5A	10	5	5	
	600/5A	10	5	5	

Accuracy class characteristics:



SCTK752D Series

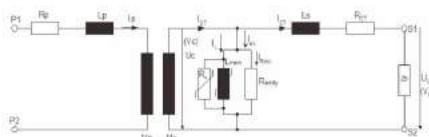


SCTK752D series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

Features

Outdoor use, resisting wind, rain and UV fading, IP65, Acquisition voltage signal in the field The structure of the self-locking, safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.

Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.

Current, power and energy monitoring device.

Technique Index

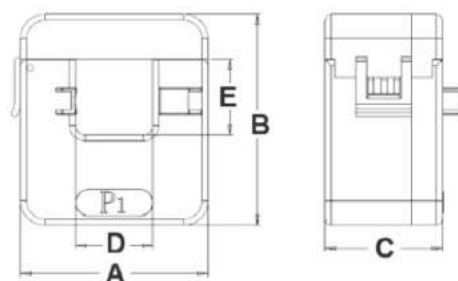
Electrical Parameter	
Frequency	50–2.5KHz
Rated Input	0.5A–630A
Measuring range	5% I_n – 130% I_n
Rated Output	0.333V(AC) or 0–1A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

Mechanical Parameter	
Case	PC/UL94–V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-25^\circ\text{C} \sim +75^\circ\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal or UL1015 22AWG Wire 1.5m

Type Selection

Mfg P/N	Rated Input	Output	Accuracy
SCTK752D-010	0.5–100A	0.333V/0–50mA	0.2、0.5、1.0
SCTK752D-016	1–200A	0.333V/0–100mA/1A	0.2、0.5、1.0
SCTK752D-025	5–400A	0.333V/0–200mA/1A	0.2、0.5、1.0
SCTK752D-036	5–630A	0.333V/0–200mA/1A	0.2、0.5、1.0

Dimensions(mm)				
A	B	C	D	E
40.0	45.0	26.0	10.0	10.0
48.0	52.0	30.0	16.0	16.0
61.0	70.0	38.0	25.0	25.0
72.0	82.0	40.0	36.0	36.0



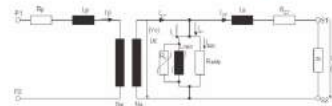
LMZK-10-12 Series



Specification

Power factor load : $\cos\Phi=0.8$ (lagging);
 Rated secondary current : 5A or 1 A;
 Rated frequency: 50 or 60Hz;
 Anti-Pollution grade: Class II;
 Ambient temperature : $-5^{\circ}\text{C}-40^{\circ}\text{C}$, daily average temperature not more than 30°C
 Altitude: $\leq 1000\text{m}$;
 Standard: GB20840.1 GB20840.2.

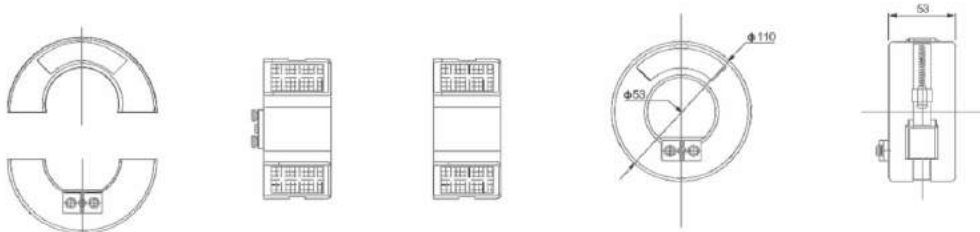
Circuit connection diagram



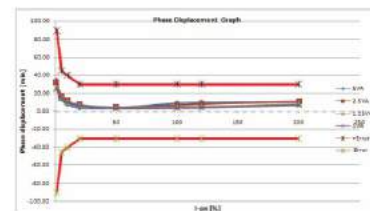
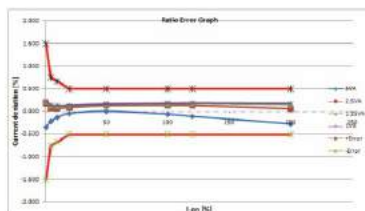
Technical Data

Type	Purpose	Measuring current			Protective Current transformer		Double winding current transformer			
		Accuracy class and rated burden			Accuracy class and rated burden		Accuracy class and rated burden			
		0.5	1	3	10P5	10P10	0.5	1	10P10	10P5
LMZK-10-12	50/5	—	—	2.5	—	—	—	—	—	—
	75/5	—	—	2.5	—	—	—	—	—	—
	100/5	—	2.5	—	2.5	—	—	—	—	—
	150/5	—	2.5	—	3.75	1.5	—	—	—	—
	200/5	2.5	2.5	—	5	2.5	—	—	—	—
	300/5	2.5	2.5	—	5	2.5	—	2.5	—	1.5
	400/5	5	5	—	5	2.5	2.5	2.5	—	2.5
	500/5	5	5	—	5	2.5	2.5	2.5	—	2.5
	600/5	5	5	—	5	2.5	2.5	2.5	—	2.5

Dimension & Installation



Accuracy class characteristics:



CLP013 Series



CLP013 is clamp-on current transformer. The CT can be mounted to existing panels, such as control centers or load centers, to measure or monitor wattage. This CT can be mounted without removing existing cables for easier installation.

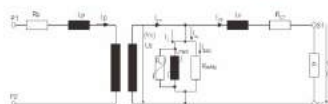
Features

Small Volume;
Low Price;
High secondary turns;
High Linearity;
High secondary signals out;
Applications

Applications

Portable instruments;
Electricity Distribution;
Power Calibrator;
Power Transducer;
Precision Power Meters;
Digital Meters for power System;
Serve Motor.

Circuit connection diagram

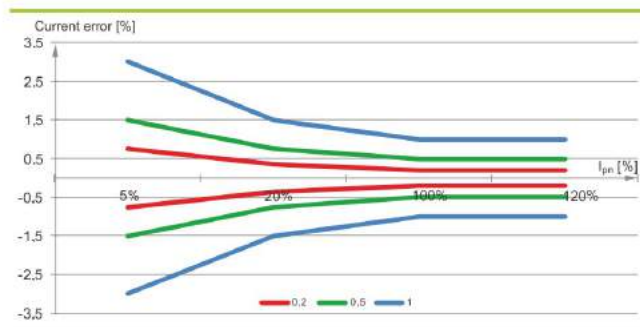


Technique Index

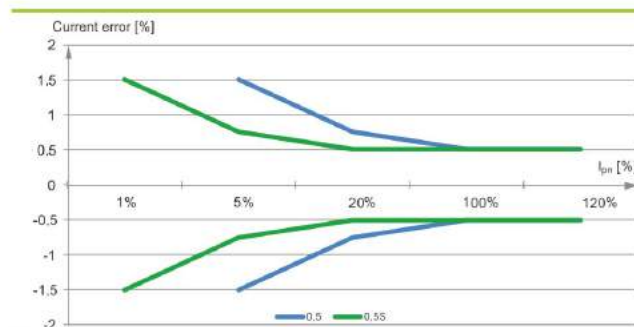
Clampable wire diameter	Φ 13MM
Working frequency	50HZ/60HZ
Primary Current (Arms 50/60Hz)	30A nom 80A max
Primary/secondary currents ratio in the nominal range of primary current	3000Ts
Parallelresistance(Ω) at 20℃	90 ± 5% Ω
Burden resistive load of secondary winding	120 Ω
Amplitude Error f(%)	± 2%
Insulation between primary non-insulated wire, touching inside surface of the window, and secondary output must withstand AC rms voltage	1500V/1mA/1min
Impulse withstand voltage 1.2/50us	3500V
Temperature error of currents ratio	<50ppm/K
Ambient operating temperature range	-20℃~60℃
Housing	ABS OR PC
Bobbin	ABS OR PC
Core	Ferrite
Tap	Polyethylene Terephthalate (PET)
Magnet Wire	2UEW
Leader wire	UL1185 26#AWG BLACK +DC plug

Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



CLP052 Series



The CLP052 series clamp probe current transformer is designed for fast and easy measure the current in industrial and power environments. The clamp-on core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken offline and disconnected for CT installation. This method permits a safer, easy and portable current measurement.

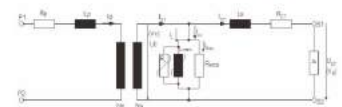
Features

- Good appearance
- Clamp-on core design, safer, easier installation
- Current or three specs voltage output signal

Applications

- Current, power energy, monitoring devices
- Power Factor Correction devices
- Oscilloscope and harmonic waves analyzer

Circuit connection diagram



Specifications

- Primary current: 0.1A–1000A
- Maximum Non-Destructive Current: 2000A
- Output signal: mA/A or mV/A or 4–20mA dc
- Useable frequency: 10Hz ~ 100kHz • Basic Accuracy :1 %
- Operating Temperature: –15°C to 60°C
- Safety : CAT III 600V
- Maximum Cable Diameter: 2.05 inches (52 mm)
- Dimensions: 4.37 in. x 8.50 in. x 1.77 in. (111x216x45 mm)

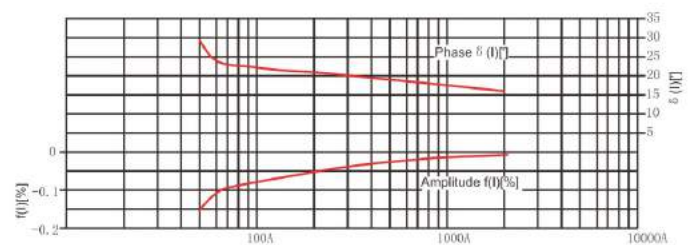
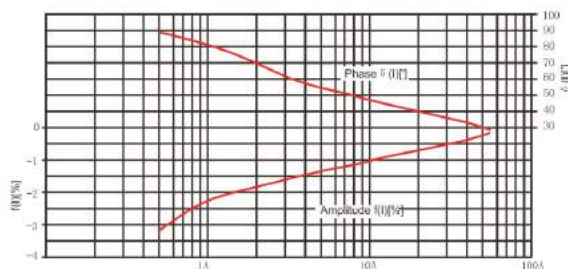
Technique Index

Model	Input (A)	Output signal	Frequency (Hz)	Secondary Burden (Ohms)	Accuracy class	Order No.
CTC1535	0.5–1000	1mA/A	40–1K	≤ 10	1.0%	10
CTC1535	400–1000	5A, 1A	50/60	≤ 2VA	1.0%	11
CTC1535	0.1–10	100mV/A	10–1000K	≅ 100K	3% ± 10mV	15
CTC1535	0.1–100	10mV/A	10–1000K	≅ 100K	2% ± 5mV	15
CTC1535	1–1000	1mV/A	10–1000K	≅ 100K	1% ± 1mV	15
CTC1535	0.5–1000	1mV/A	40–1000K	≅ 100K	1.0%	16
CTC1537	0.5–1000	4–20mA	50/60	≤ 250	1.0%	20

Characteristic Performance Curve

Accuracies are given for 48 Hz to 65Hz;
the ambient temperature of 25°C ± 3°C.

Ratio: 1000:1 ; Frequency: 50 Hz ; Burden 1 Ohms ;
temperature 25°C.



CLP055 Series



CLP055 is clamp-on current transformers. The CT can be mounted to existing panels, such as control centers or load centers, to measure or monitor wattage. This CT can be mounted without removing existing cables for easier installation.

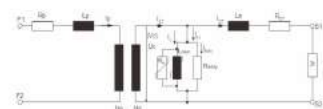
Features

- Clamp on designed
- High accuracy of Class 0.5
- Safe, easy to install, portable
- Excellent linearity over the whole range.

Applications

- Electric energy meter field calibrator;
- multi-function electric energy meter;
- digital multimeter;
- cable identification instrument;
- cable fault detector;
- double clamp grounding resistance tester;
- double clamp phase voltmeter;
- three-phase digital phase voltmeter

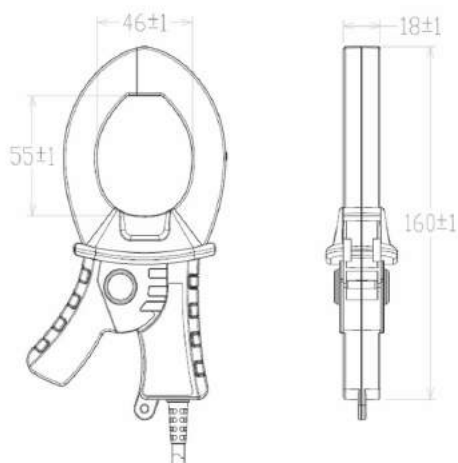
Circuit connection diagram



Technique Index

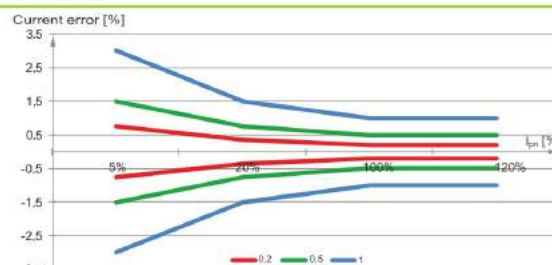
Rated Primary Current(Amp.) 50/60Hz	500nom(1~600A max)
Turn ratio	Np:Ns=1:7500
Output voltage	500A/333mV(Resistor inside the CT)
Accuracy	0.5%
Phase Error at Rated Current Range	≤0.5°
Operating Temperature Range	-40~80℃
Storage Temperature Range	-45~85℃
Dielectric Withstanding Voltage(Hi-pot)	4KV/1mA/1min
Impulse Withstand Voltage	5KV Peak
Insulation Resistance	DC500V/100MΩ min

Dimension & Installation

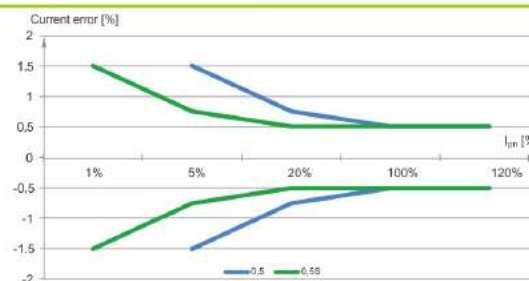


Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



CLP110 Series



CLP110 of split core current transformers have been specifically designed to be mini size which implement the installation of small space, clamp-on design could be easily fit around cables without breaking the circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output.

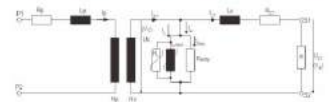
Features

The structure of the self-locking, safe, easy to install, portable Wide inner window allowing clamping of big cables or bus-bars Wide range of sizes to accommodate all the existing installations Isolated plastic case recognized according to UL94-V0 Wires plugs, Audio plugs, Power plugs and so on five kinds of plugs

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram



Technique Index

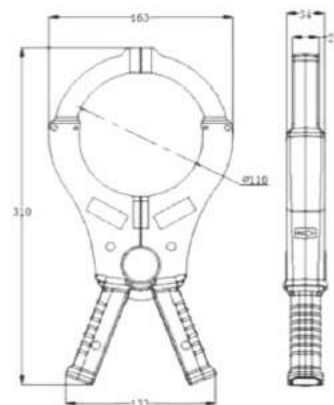
Electrical Parameter	
Frequency	50–2.5KHz
Rated Input	630A–1000A
Measuring range	10% In–120% In
Rated Output	1A/5A
Ratio	$\leq \pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M Ω min

Mechanical Parameter	
Case	PC/UL94–V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	–25°C ~ +75°C
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 20AWG Wire(twisted wire) 2.5m

CLP110 Clamp On Current Transformer

Primary Current	Secondary Current	Compensating turns	Class
600A–1000A	1A	Null	0.2/0.5
600A–1000A	5A	Null	0.2/0.5

Dimension & Installation



CLPA Series



CLPA series clamp on current transformers includes CLAP015 and CLPA024, can measure line current safely without cutting off the measured cable, with clamping style design. This method permits a safer, easy and portable current measurement.

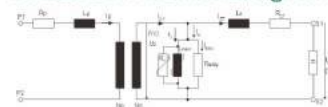
Features

Good appearance, stable structure
Higher accuracy, excellent linearity, and stronger antijamming Capability.
Wider frequency range, higher accuracy for harmonic measurement

Applications

Current detecting and sensing for power quality analyzers, meet class A meter requirements
Current detecting and sensing for oscilloscope, digital meter, data logger
Harmonics measurement for frequency conversion and inverter power system
Current, electric energy and power factor correcting device

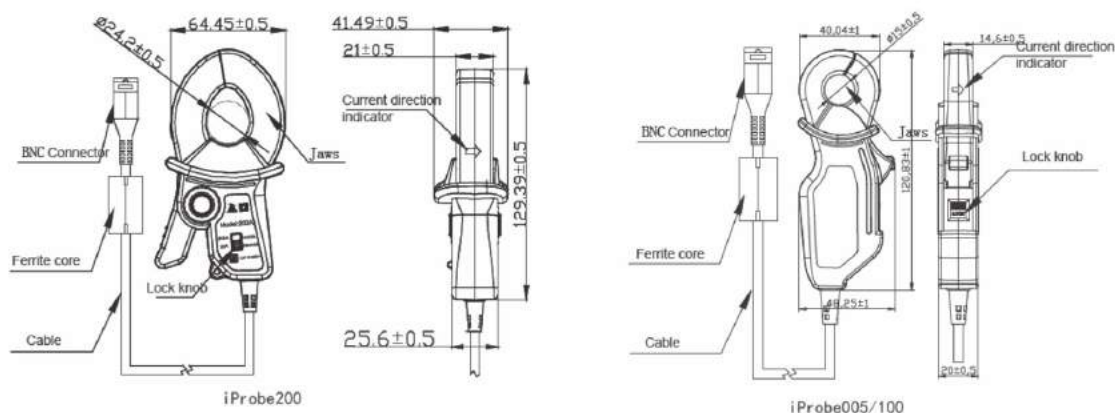
Circuit connection diagram



Specification

Item			
Rated Input Current	5A	100A	20A/200A
Maximum Input Current	50A	120A	30A/260A
Output Signal	10mV/A	1mV/A	10mV/A(20A Range) 1mV/A(200A Range)
Amplitude Accuracy	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s. (45-60Hz)}$	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s. (45-60Hz)}$	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s. (45-60Hz)}$
Phase Error	$\pm 2^\circ (45-5\text{kHz})$	$\pm 1^\circ (45-5\text{kHz})$	$\pm 0.5^\circ (45-5\text{kHz})$
Working Voltage	CATII 600V	CATII 600V	CATII 600V
Dielectric Strength	3536Vac(Between electric circuit and core, between core and case)		
Working Situation	-15 to $+50^\circ\text{C}$, 80%RH or lower(non-condensating)		
Storage	-20 to $+60^\circ\text{C}$, 80%RH or lower(non-condensating)		
Operating Environment	Indoors, altitude up to 2000m		
Applicable Standards	IEC61010 Measurement CATII, Pollution Degree2		IEC61010 Measurement CATIII, Pollution Degree2
Measurable conductor diameter	$\phi 15\text{mm}$ or less	$\phi 15\text{mm}$ or less	$\phi 24\text{mm}$ or less
Cable	Length 3.0m, ended with BNC connector		
Outline Dimensions	48mmW*120mmH*20mmD	48mmW*120mmH*20mmD	64mmW*130mmH*26mmD

Constructions And Dimensions



CLPT Series



The CLPT series of clamp-on current transformers are designed for fast and easy installation. Its design permits non-contact current measurements through magnetic field induction without requiring primary wire be taken offline and disconnected.

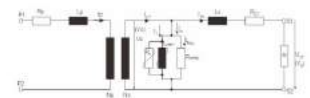
Features

Low cost
4 standard sizes
Clamp-on core design; safer, easier installation, portable
Both Silicon Steel & Nickel Alloy cores available

Applications

Silicon Steel cores provide moderate accuracy and lower cost
Nickel Alloy cores are suitable for applications that require the highest accuracy with minimal phase angle error. Applications would include electric power quality monitoring devices

Circuit connection diagram



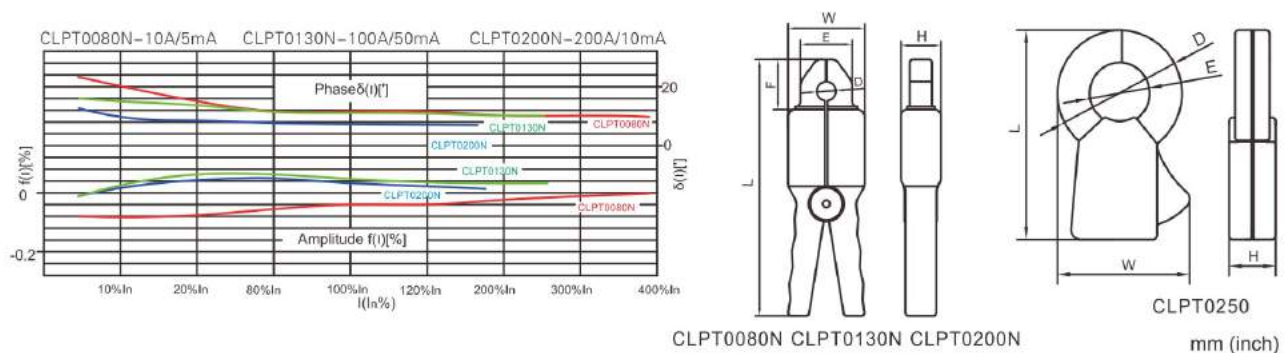
Specifications

Case material: Polypropylene resin
Voltage Range: 600ac(isolated condition), 30Vac(bareness condition)
Dielectric Resistance: 1000MΩ @500 Vdc
Isolation Voltage: 2500 Vrms for 1 minute
Frequency: 50 – 400 Hz

Performances

Model	Rated Input(A)	Ratio	Frequency (Hz)	Second burden (Ohms)	Accuracy Class	Outline Dimensions (mm)
CLPT0080N	1~100	1:1000 1:2000 1:2500	50 to 400	≤ 20	0.1,0.2	ID-L-W-H 8.0-171.0-46.0-27.0
CLPT0130N	5~200		50 to 400	≤ 5	0.1,0.2	ID-L-W-H 13.0-174.0-52.0-27.0
CLPT0200N	5~200		50 to 400	≤ 5	0.1,0.2	ID-L-W-H 20.0-180.0-52.0-27.0
CLPT0250	Input: 100A Output: 0.333,1.5V	--	50 to 400	≥ 100K	1.0	ID-L-W-H 25.0-87.0-50.0-19.5

Phase and Amplitude Errors Curve (test temperature 25°C) and Outline Dimension



Type	L	W	H	D	E	F
CLPT0080N	171.0(6.732)	46.0(1.811)	27.0(1.063)	8.0(0.315)	27.0(1.063)	30.0(1.181)
CLPT0130N	174.0(6.850)	52.0(2.047)	27.0(1.063)	13.0(0.512)	35.0(1.378)	34.0(1.339)
CLPT0200N	180.0(7.087)	52.0(2.047)	27.0(1.063)	20.0(0.787)	42.0(1.654)	40.2(1.583)
CLPT0250	87.0(3.425)	55.0(2.165)	19.5(0.768)	52.0(2.047)	25.0(0.984)	—

D-363 Series



D363 three phase current transformer is combination designed 3 CT in 1, save more space comparing general unit CT, suitable for primary current 75A to 600A, supporting the use of molded case circuit breaker according to the rated current size.

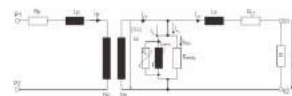
Features

- 1: Three built in fixing methods: Panel/Din Rail/Busbar
- 2: Built in hinged terminal cover
- 3: Perfect matching with MCCB, save more space.
- 4: Primary current from 30A to 600A

Applications

- 1: Current measurement, monitoring and protection for electrical wiring and equipment.
- 2: Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
- 3: Current, power and energy monitoring device.
- 4: Relay protection device.

Circuit connection diagram



Standard

IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006

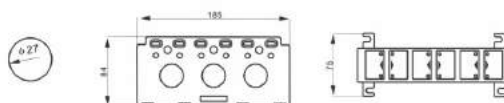
Technical Parameters:

Electrical Parameter	
Rated Frequency	50/60Hz
Rated Input	75A-600A
short-time thermal current (Ith)	60Ih
Secondary	5A, 1A
Humidity	< 80%
Operating temperature	-10°C ~ 85°C

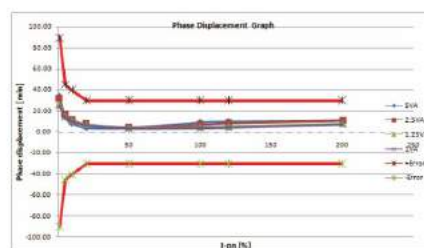
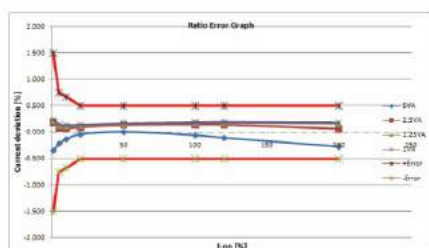
Mechanical Parameter	
Rated Test Voltage	3KV AC (1 MIN)
Place of installation	Indoor
Class	0.5, 0.2, 0.5S, 0.2S
Airtitude	< 1000m
Ambient temperature	-5°C ~ 40°C
Housing self-extinguishing class	VO

Specification:

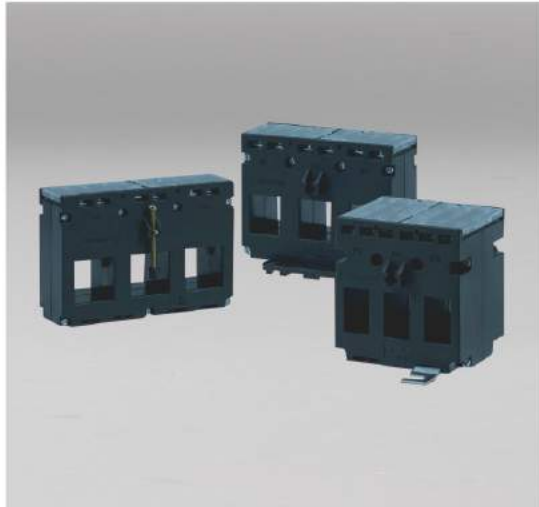
Model	Ratio(A)	Rated power(VA)	Cable Dimension	Rated Voltage(V)	Rated Frequency(HZ)
D-363	50/5A	1.5	3*30mm	720	50/60
	75/5A	1.5	3*30mm	720	50/60
	100/5A	1.5	3*30mm	720	50/60
	150/5A	2.5	3*30mm	720	50/60
	200/5A	3.75	3*30mm	720	50/60
	250/5A	5	3*30mm	720	50/60
	300/5A	5	3*30mm	720	50/60
	400/5A	5	3*30mm	720	50/60
	500/5A	5	3*30mm	720	50/60



Accuracy class characteristics:



DASN Series



A range of 3-in-1 current transformers combine three traditional current transformers in one moulded case. 3-in-1 current transformers can be directly installed next to a three-phase moulded case circuit breaker, thus saving installation time where fitting three standard individual current transformers would be required. The M3N1 range of current transformers offers primary currents between 60–630A with 5A secondaries with up to class 0.5 accuracy performance.

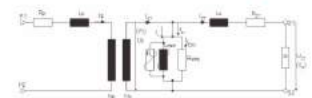
Features

Cost effective moulded case
 Ratio's ranging from 60/5 to 630/5
 Integrated wire sealable terminal cover
 Busbar, DIN-rail and metal feet mounting hardware supplied
 Combined M4 posi/slot screw Specifications

Applications

- 1: Current measurement, monitoring and protection for electrical wiring and equipment.
- 2: Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
- 3: Current, power and energy monitoring device.
- 4: Relay protection device.

Circuit connection diagram



Technical Parameters:

Rated Frequency	50/60Hz
Withstand Voltage	AC3kV (1 min)
Rated Thermal Current	60In
Dynamic Current	2.5Ith
Rated Voltage	AC0.72kV
Overload	1.2In
Operating Temperature	-10°C~50°C
Flame-retarded Rating	V0
Accuracy Limit Factor	FS 5
Secondary Current	5A, 1A

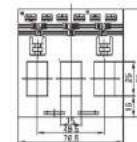
Standard

IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006

DASN240



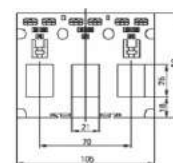
Model	Ratio (A)	Code Class: 1.0	Quantity
DASN240	160/5	1.5	36
DASN240	100/5	1.5	36
DASN240	120/5	1.5	36
DASN240	125/5	2.5	36
DASN240	150/5	2.5	36
DASN240	160/5	2.5	36
DASN240	1200/5	2.5	36



DASN242



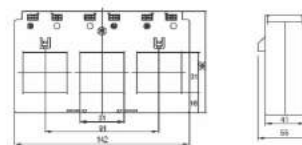
Model	Ratio (A)	Code Class: 1.0	Quantity
DASN242	160/5	1.5	30
DASN242	100/5	1.5	30
DASN242	120/5	1.5	30
DASN242	125/5	2.5	30
DASN242	150/5	2.5	30
DASN242	160/5	2.5	30
DASN242	200/5	2.5	30
DASN242	250/5	2.5	30



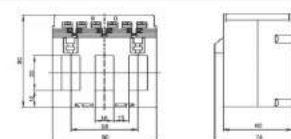
DASN248



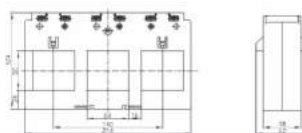
Model	Ratio (A)	Node Class: 1.0	Quantity
DASN248	250/5	2.5	20
DASN248	300/5	3.75	20
DASN248	400/5	3.75	20
DASN248	500/5	3.75	20
DASN248	600/5	3.75	20
DASN248	630/5	3.75	20



Model	Ratio (A)	Node Class: 1.0	Quantity
DASN249	100/5	1.5	30
DASN249	120/5	1.5	30
DASN249	125/5	2.5	30
DASN249	160/5	2.5	30
DASN249	200/5	2.5	30
DASN249	250/5	2.5	30

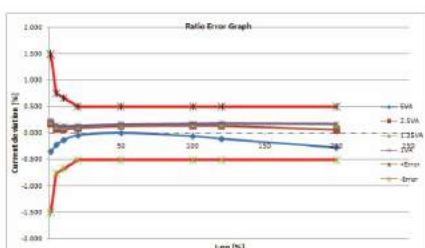
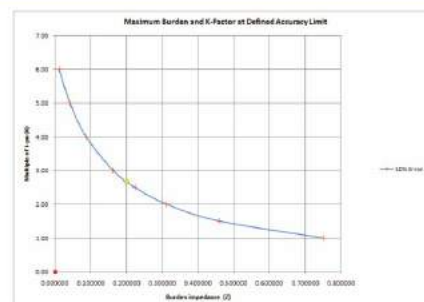


Model	Ratio (A)	Node Class: 1.0	Quantity
DASN250	600/5	10	20
DASN250	630/5	10	20
DASN250	800/5	10	20
DASN250	1000/5	10	20
DASN250	1200/5	10	20
DASN250	1600/5	10	20



Excitation curve data

I_a / A	E_a / V
0.0005	0.01
0.001	0.02
0.002	0.04
0.005	0.1
0.01	0.2
0.02	0.4
0.05	0.7
0.1	1.0
0.2	1.0
0.5	1.0
1.0	1.0
2.0	1.0



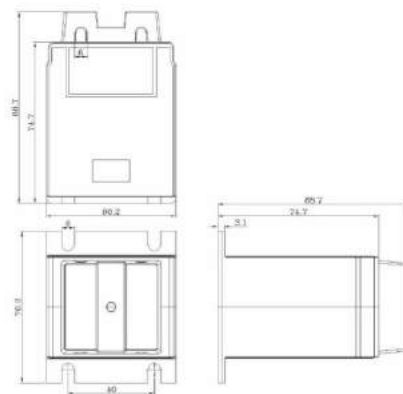
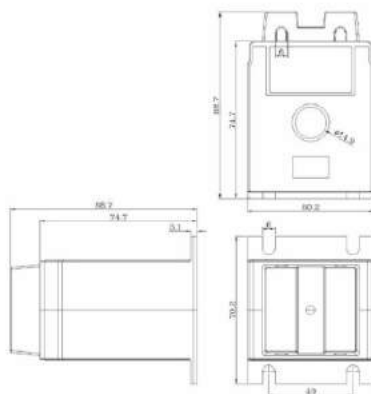
CP-4Series



Encapsulated current transformer

Technical parameter
Tough resilient flame retardant UL-94V0
Temperature range -20° C to 70° C
Accuracy class 1.0, 0.5
Test voltage 4kV 50Hz 1min
IEC44-1, IEC185, BS3938, DIN42600
Insulation Class E, Max 120° C
Totally enclosed in tough, self extinguishing mouldings
Operating voltage 0.72kV
Summation current transformer
Normal secondary winding 1A or 5A
Compliance: IEC 185 and BS 3938/1973
Burden: 5VA or 7.5VA
Accuracy: 0.5 or 1.0
Rated voltage: 720V 50/60Hz
Dielectric voltage: 4kV
Type of material: High impact flame-retardant moulded resin
Input: 5/5A, 1/1A other by request.

Dimension & Installation



There are CTs which are interposed between the main CT and the burden (Load) so that the secondary current of the main CT is adjusted as required by the burden. When used in providing transformer differential protection, these CTs are also used to correct the phase shift, which may result due to particular method of connection used for the transformer windings.

The main function of an interposing CT is to balance the current supplied to the relay or others where there would otherwise be an imbalance due to the ratios of the main CTs. Interposing CTs are equipped with a ratio that can be selected by the user to achieve the balance required.

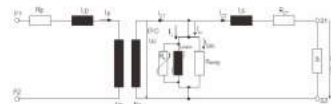
As the name suggests, an interposing CT is installed between the secondary winding of the main CT and relay. They can be used on the primary side or secondary side of power transformer being protected, or both interposing CTs also provide a convenient method of establishing a delta connection for the elimination of zero sequence currents where this is necessary.

Application:

Interposing CT's are used when the ratio of transformation is very high. It is also used to correct for phase displacement for differential protection of transformer.

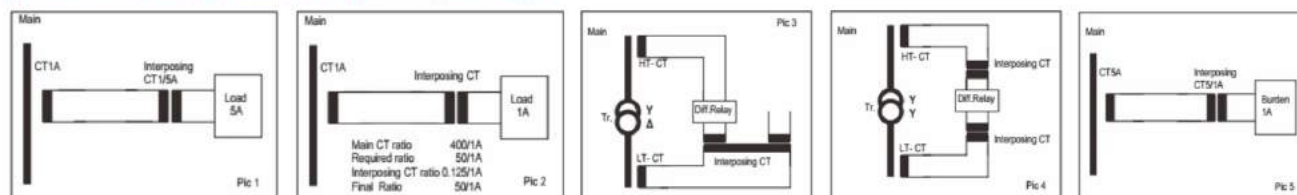
An assembly of interposing current transformer including Class PX for differential and unit schemes.

Circuit connection diagram



CP-4Series

Manual for Encapsulated current transformer



A When the main C.T.s having rated secondary current of 1Amp. And the burden requires a rated current of 5Amp, an I.C.T. is used, at the load end so that the lead burden is fed by 1Amp. Current. The lead burden on the I.C.T. is negligible as it placed very close to the burden (Pic. 1).

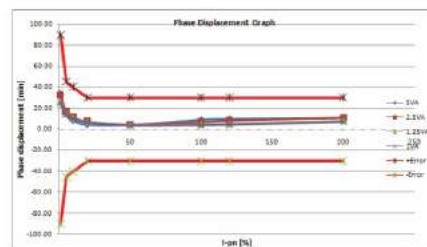
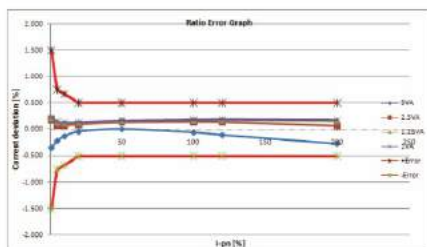
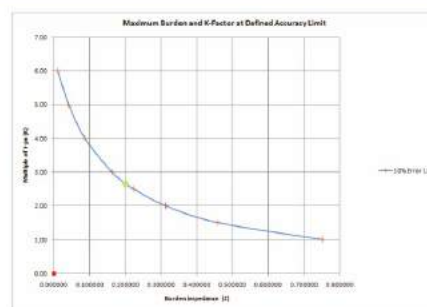
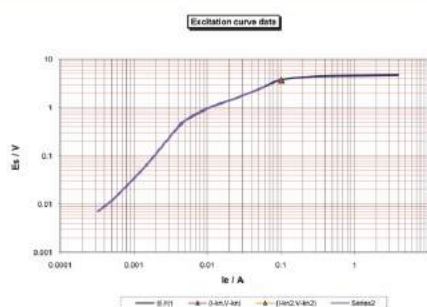
B The arrangement suggested in a above may also be used when the main C.T. is having rated secondary of 5Amps. And the burden requires a rated current of 1amp. In this case .However, the I. CT, of ratio 5/1 Amp will have to be placed at the main C.T. end to reduce the effect of lead burden on the main C.T. (Pic. 2)

C In the case of transformer differential protection when the main C.T. ratios do not match. If phase shift is introduced due to the model of connections of the transformer on the H.T. and L.T. side, I.C. Ts Can be used to correct the phase shift. It is assumed here that all main C.Ts are star connected (Pic.3)

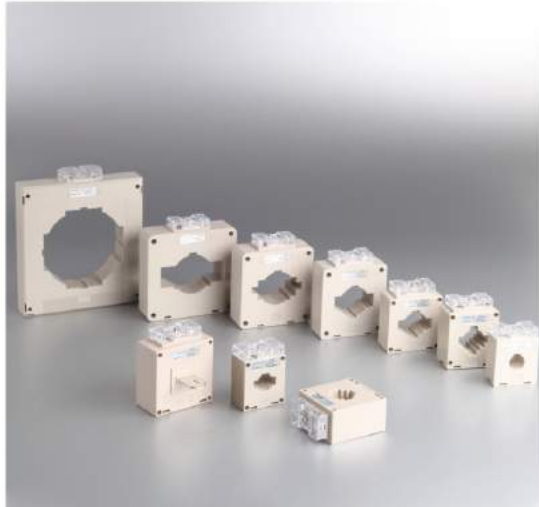
D. For suppressing zero sequence currents from the out of balance current. This is achieved by providing an additional secondary winding on I.C.Ts. Which is connected in closed delta (Pic.4)

E. If high ratio is selected for the main C.T. against a low load current, I.C.T.s may be used across the main C.T. to reduce the ratio effectively and satisfactorily cater to the rated current requirement of the burden (Pic.5). In all above applications it must be borne in mind that an I.C.T. imposes burden on the main C.T. If this burden is required to be restricted to a certain value, the value must be specific to enable the manufacture to design the I.C.T. suitably. If this value of burden (expressed in VA) is too low, it may result into an uneconomical design of the I.C.T.

Accuracy class characteristics:



MSQ Series

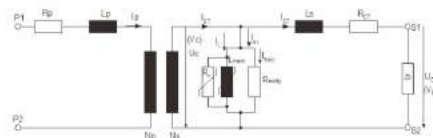


MSQ range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer.

Features

- Safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Circuit connection diagram



Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
- Current, power and energy monitoring device.
- Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A–6000A
Measuring range	5% I_n –120% I_n
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	–25℃ ~ +75℃
Operating Humidity	≤85%
Output Connection	Terminal

Standard

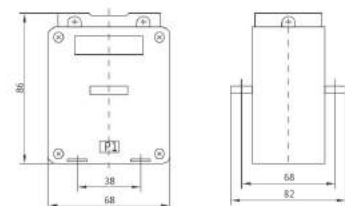
IEC61869–2, EN60044–1, VDE0414–44–1, GB1208–2006

Technical parameter



MSQ–B

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ–B	5/5A	2.5	5	50/60
	10/5A	2.5	5	50/60
	15/5A	2.5	5	50/60
	20/5A	2.5	5	50/60
	25/5A	2.5	5	50/60
	30/5A	2.5	5	50/60
	40/5A	2.5	5	50/60
	50/5A	2.5	5	50/60
	75/5A	2.5	5	50/60



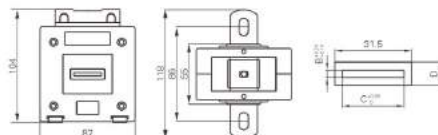
MSQ Series

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-30B	5/5A	5	7.5	50/60
	10/5A	5	7.5	50/60
	15/5A	5	7.5	50/60
	20/5A	5	7.5	50/60
	25/5A	5	7.5	50/60
	30/5A	5	7.5	50/60
	50/5A	5	7.5	50/60
	60/5A	5	7.5	50/60
	100/5A	5	7.5	50/60
	150/5A	5	7.5	50/60
	200/5A	5	7.5	50/60
	250/5A	5	7.5	50/60
	300/5A	5	7.5	50/60



MSQ-30B

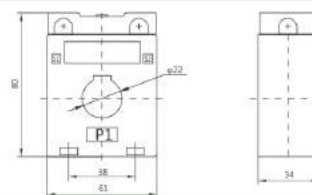


Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-20	75/5A	—	2.5	50/60
	100/5A	—	2.5	50/60



MSQ-20

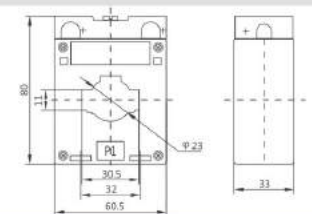


Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-30I	30/5A	—	1	50/60
	50/5A	—	1	50/60
	75/5A	—	1.5	50/60
	100/5A	2.5	2.5	50/60
	150/5A	2.5	2.5	50/60
	200/5A	2.5	2.5	50/60
	250/5A	2.5	2.5	50/60
	300/5A	5	5	50/60



MSQ-30I

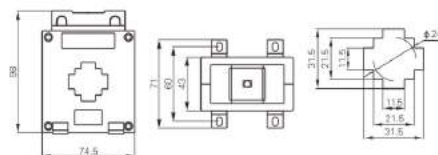


Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-30	30/5A	—	1	50/60
	40/5A	—	1	50/60
	50/5A	—	1	50/60
	60/5A	—	1.5	50/60
	75/5A	—	1.5	50/60
	80/5A	—	2.5	50/60
	100/5A	2.5	5	50/60
	150/5A	2.5	5	50/60
	200/5A	5	5	50/60
	250/5A	5	7.5	50/60
	300/5A	10	10	50/60



MSQ-30



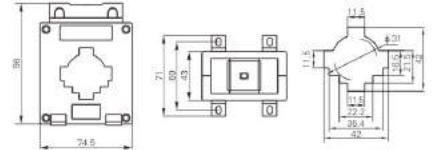
MSQ Series



MSQ-40

Technical parameter

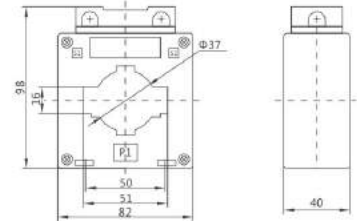
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-40	100/5A	—	2.5	50/60
	150/5A	—	2.5	50/60
	200/5A	2.5	5	50/60
	250/5A	2.5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60



MSQ-50

Technical parameter

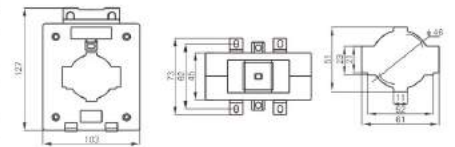
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-50	150/5A	—	2.5	50/60
	200/5A	2.5	2.5	50/60
	250/5A	2.5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60



MSQ-60

Technical parameter

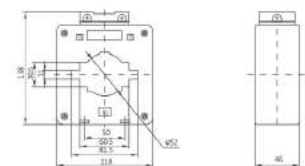
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-60	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	5	10	50/60
	800/5A	7.5	10	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1500/5A	15	15	50/60
	1600/5A	15	15	50/60



MSQ-80

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-80	750/5A	5	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	10	15	50/60
	1500/5A	15	15	50/60
	1600/5A	15	15	50/60
	2000/5A	15	15	50/60



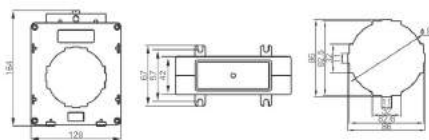
MSQ Series



MSQ-85

Technical parameter

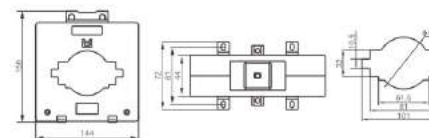
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-85	750/5A	5	10	50/60
	800/5A	5	10	50/60
	1000/5A	7.5	10	50/60
	1200/5A	10	15	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	15	15	50/60



MSQ-100

Technical parameter

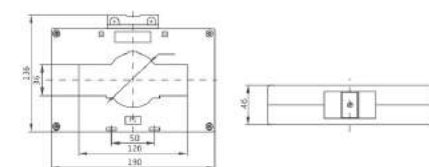
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-100	800/5A	5	10	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1250/5A	10	15	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	10	15	50/60
	2500/5A	10	15	50/60
	3000/5A	10	15	50/60



MSQ-120

Technical parameter

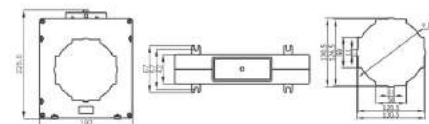
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-120	1000/5A	10	10	50/60
	1200/5A	20	20	50/60
	1500/5A	20	20	50/60
	2000/5A	20	20	50/60
	2500/5A	40	40	50/60
	3000/5A	40	40	50/60
	4000/5A	40	40	50/60



MSQ-125

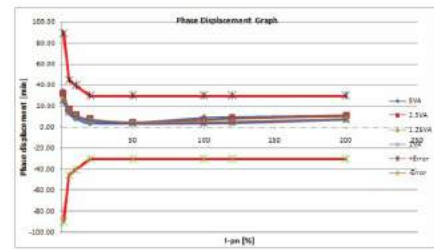
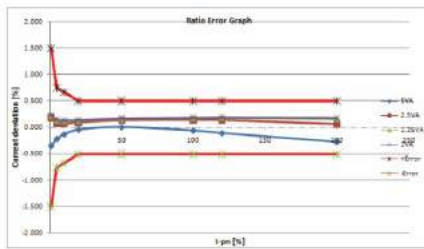
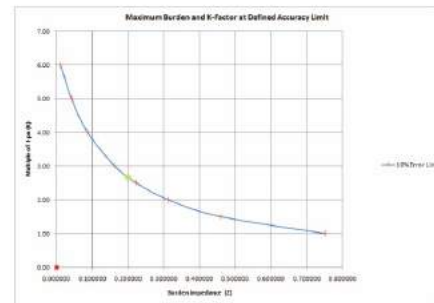
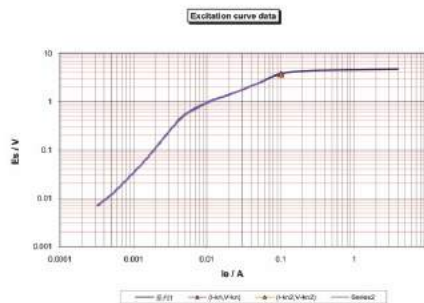
Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-125	1000/5A	5	10	50/60
	1200/5A	7.5	10	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	15	20	50/60
	2500/5A	15	20	50/60
	3000/5A	15	20	50/60
	4000/5A	15	20	50/60
	5000/5A	20	20	50/60
	6000/5A	20	20	50/60

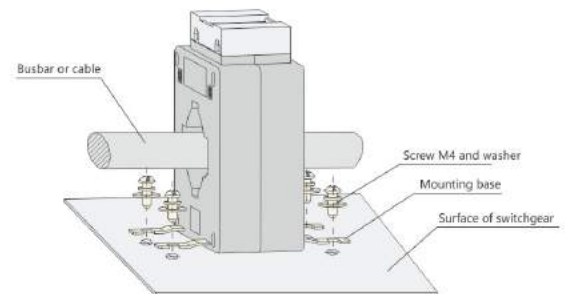
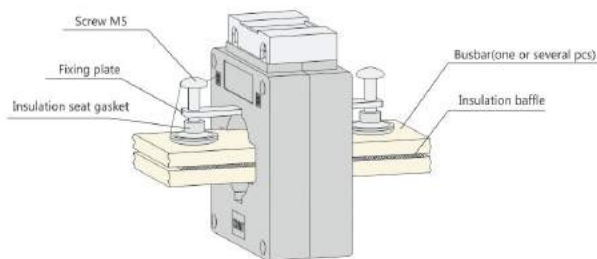


MSQ Series

Accuracy class characteristics:



Installation



CP Series

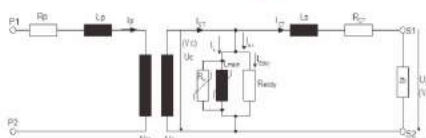


CP range of current transformers are compact—smaller than other models with the current ratio of the transformer is small. Clamshell-style terminal cover is well protected by the second terminal. With related accessories you can use Din rail mounting a current from 5A to 3000A.

Features

Three built in fixing methods: Panel/Din Rail/Busbar
Built in hinged terminal cover
Compact design
Primary current from 5A to 3000A

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	5A-3000A
Measuring range	5% In ~ 120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩmin

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	- 25℃ ~ + 75℃
Operating Humidity	≤85%
Output Connection	Terminal

Standard

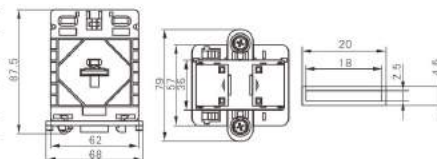
IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006

Technical parameter



CP-62/B

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/B	5/5A	1.5	2.5	50/60
	10/5A	1.5	2.5	50/60
	15/5A	1.5	2.5	50/60
	20/5A	1.5	2.5	50/60
	25/5A	1.5	2.5	50/60
	30/5A	1.5	2.5	50/60
	40/5A	1.5	2.5	50/60
	50/5A	1.5	2.5	50/60
	60/5A	1.5	2.5	50/60
	75/5A	1.5	2.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	2.5	50/60



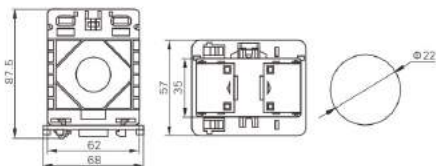
CP Series



CP-62/20

Technical parameter

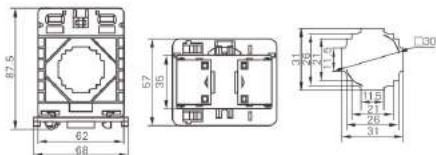
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/20	30/5A	—	2.5(4T)	50/60
	40/5A	—	2.5(3T)	50/60
	50/5A	—	2.5(3T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	80/5A	—	2.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60




CP-62/30

Technical parameter

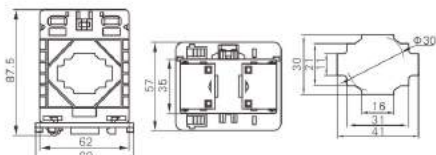
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/30	30/5A	—	2.5(4T)	50/60
	40/5A	—	2.5(3T)	50/60
	50/5A	—	2.5(2T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60




CP-62/40

Technical parameter

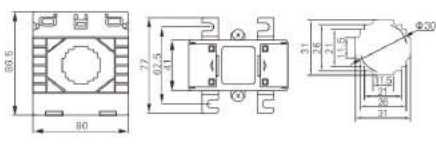
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/40	60/5A	—	1.5(2T)	50/60
	75/5A	—	1.5(2T)	50/60
	100/5A	—	1.5	50/60
	150/5A	—	2.5	50/60
	200/5A	2.5	3.75	50/60
	250/5A	2.5	3.75	50/60
	300/5A	3.75	5	50/60




CP-80/30

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-80/30	30/5A	—	2.5(4T)	50/60
	50/5A	—	2.5(2T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	—	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60



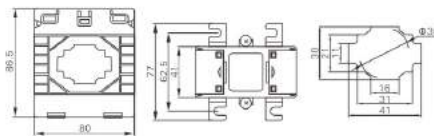
CP Series



CP-80/40

Technical parameter

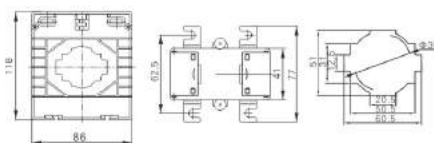
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-80/40	100/5A	—	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60
	250/5A	3.75	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60



CP-86/60

Technical parameter

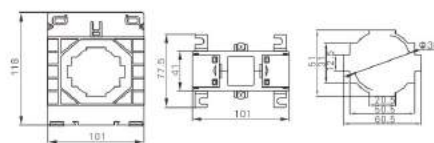
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-86/60	250/5A	3.75	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1000/5A	10	10	50/60



CP-100/60

Technical parameter

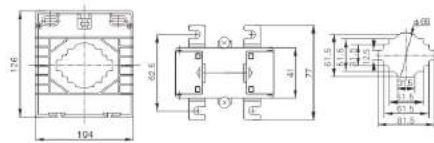
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-100/60	400/5A	3.75	5	50/60
	500/5A	5	10	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	15	50/60
	1200/5A	15	15	50/60
	1500/5A	15	15	50/60
	1600/5A	15	15	50/60



CP-104/80

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-104/80	600A	10	15	50/60
	750A	10	15	50/60
	800A	10	15	50/60
	1000A	10	15	50/60
	1200A	10	15	50/60
	1250A	10	15	50/60
	1500A	15	15	50/60
	1600A	15	15	50/60
	2000/5A	15	15	50/60



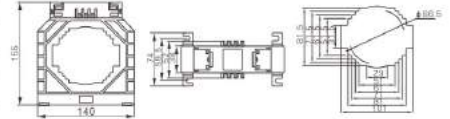
CP Series



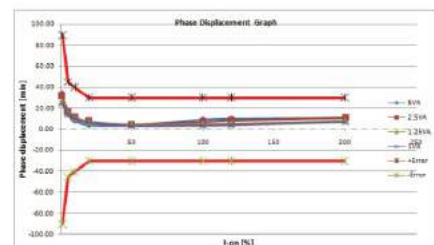
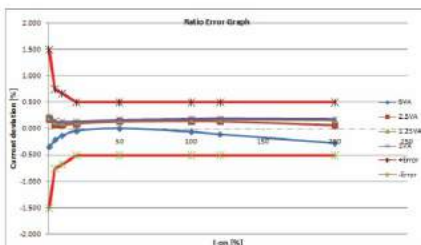
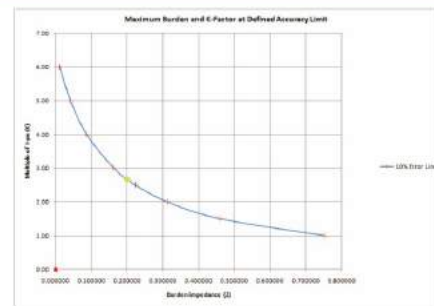
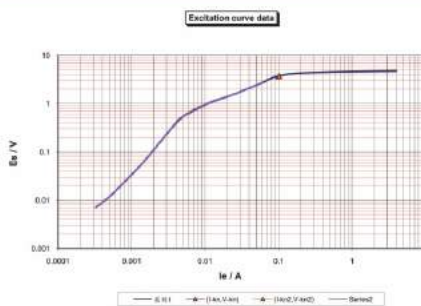
CP-140/100

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-140/100	800/5A	10	20	50/60
	1000/5A	10	20	50/60
	1200/5A	10	20	50/60
	1250/5A	10	20	50/60
	1500/5A	15	20	50/60
	1600/5A	15	20	50/60
	2000/5A	15	25	50/60
	2500/5A	15	25	50/60
	3000/5A	15	25	50/60



Accuracy class characteristics:



RCT Series



RCT range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer. RCT have larger capacity. With the method of fixed installation.

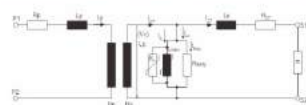
Features

Safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A–3000A
Measuring range	5% In – 120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

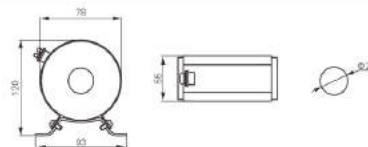
Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	– 25°C ~ + 75°C
Operating Humidity	≤ 85%
Output Connection	Terminal

Technical parameter



RCT-25

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
RCT-25	50/5A	–	2.5(2T)	50/60
	60/5A	–	2.5(2T)	50/60
	75/5A	2.5(2T)	1.5	50/60
	100/5A	1.5	2.5	50/60

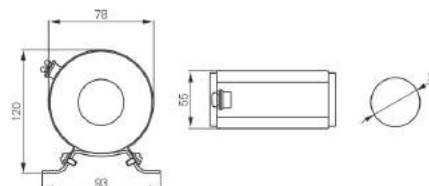


Technical parameter



RCT-35

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
RCT-35	30/5A	–	–	50/60
	50/5A	–	2.5(2T)	50/60
	60/5A	–	2.5(2T)	50/60
	80/5A	–	1.5	50/60
	100/5A	1.5	2.5	50/60
	120/5A	2.5	3.75	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60
	250/5A	3.75	5	50/60
	300/5A	5	10	50/60



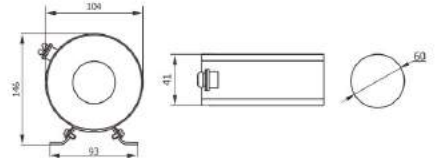
RCT Series



RCT-60

Technical parameter

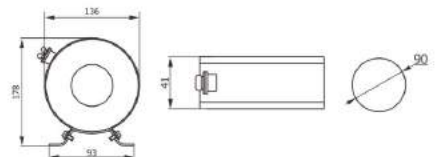
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
RCT-60	300/5A	2.5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	7.5	50/60
	600/5A	5	7.5	50/60
	800/5A	5	7.5	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60



RCT-90

Technical parameter

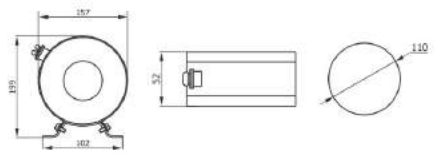
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
RCT-90	800/5A	5	10	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60



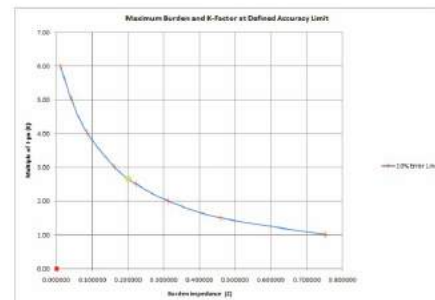
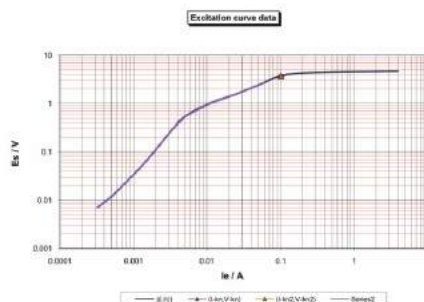
RCT-110

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
RCT-110	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1500/5A	15	20	50/60
	1600/5A	15	20	50/60
	2000/5A	15	20	50/60
	2500/5A	15	20	50/60
	3000/5A	15	20	50/60



Accuracy class characteristics:



ABO Series



ABO range of current transformers advanced snap on body, high accuracy (up to Class 0.2S), humanization transparent cover and lead seal hole design makes the CT very easy to identify after long term use and perfect anti-stealing electricity.

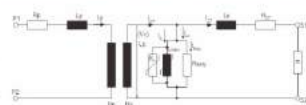
Features

Built in hinged terminal cover
Built in transparent cover for name plate
Wide range accuracy (3, 1, 0.5, 0.5S, 0.2, 0.2S) enables meet the worldwide requirement.
Primary current from 5A to 5000A.

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram



Technique Index

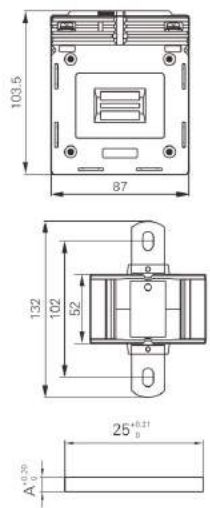
Electrical Parameter	
Frequency	50/60Hz
Rated Input	5A-3000A
Measuring range	5% In-120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	Terminal

Standard

IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006

Technical parameter

TYPE	Ratio(A)	Burden(VA)				Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.2	Class:0.2	Class:0.5	Class:0.5		
ABO-B	5/5A	5	5	5	5	50/60	
	10/5A	5	5	5	5	50/60	
	15/5A	5	5	5	5	50/60	
	20/5A	5	5	5	5	50/60	
	30/5A	5	5	5	5	50/60	
	40/5A	5	5	5	5	50/60	
	50/5A	5	5	5	5	50/60	
	60/5A	5	5	5	5	50/60	
	75/5A	5	5	5	5	50/60	
	80/5A	5	5	5	5	50/60	
	100/5A	5	5	5	5	50/60	
	150/5A	5	5	5	5	50/60	
	200/5A	5	5	5	5	50/60	
	250/5A	5	5	5	5	50/60	
	300/5A	5	5	5	5	50/60	
	400/5A	5	5	5	5	50/60	
	500/5A	5	10	5	10	50/60	
	600/5A	5	10	5	10	50/60	
	800/5A	5	10	5	10	50/60	
	1000/5A	5	10	5	10	50/60	



ABO-B

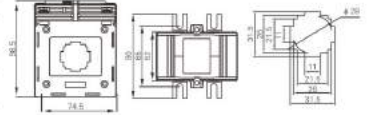
ABO Series



ABO-30T

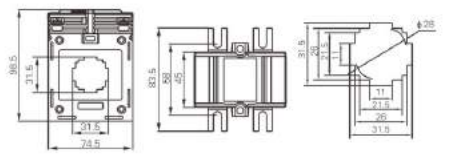
Technical parameter

TYPE	Ratio(A)	Burden(VA)			Rated Frequency(Hz)
		Class:0.2S	Class:0.5S	Class:0.5	
ABO-30T	50/5A	1.5	3	3	50/60
	60/5A	2.5	5	5	50/60
	75/5A	5	5	5	50/60
	80/5A	5	5	5	50/60
	100/5A	5	5	5	50/60
	150/5A	5	5	5	50/60
	200/5A	5	5	5	50/60
	250/5A	5	5	5	50/60
	300/5A	5	5	5	50/60



ABO-30

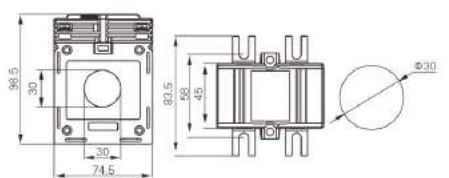
Technical parameter

TYPE	Ratio(A)	Rated Load(A)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.2S	Class:0.5S		
ABO-30	60/5A	5(2T)	5(2T)	50/60	
	75/5A	5(2T)	5(2T)	50/60	
	80/5A	5(2T)	5(2T)	50/60	
	100/5A	5	5	50/60	
	150/5A	5	5	50/60	
	200/5A	5	5	50/60	
	250/5A	5	5	50/60	
	300/5A	5	5	50/60	



ABO-30C

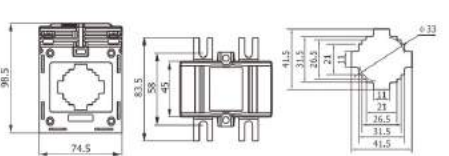
Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.2S	Class:0.5S		
ABO-30C	50/5A	5(2T)	5(2T)	50/60	
	60/5A	5(2T)	5(2T)	50/60	
	75/5A	5	5	50/60	
	80/5A	5	5	50/60	
	100/5A	5	5	50/60	
	150/5A	5	5	50/60	
	200/5A	5	5	50/60	
	250/5A	5	5	50/60	
	300/5A	5	5	50/60	



ABO-40

Technical parameter

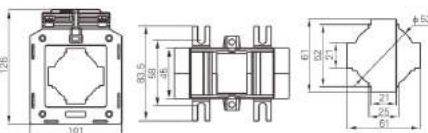
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.5S	Class:0.5		
ABO-40	75/5A	5	5	50/60	
	80/5A	5	5	50/60	
	100/5A	5	5	50/60	
	150/5A	5	5	50/60	
	200/5A	5	5	50/60	
	250/5A	5	5	50/60	
	300/5A	5	5	50/60	
	400/5A	5	5	50/60	
	500/5A	5	5	50/60	

ABO Series



ABO-60

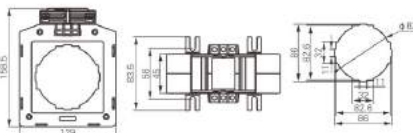
Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.5S	Class:0.5		
ABO-60	200/5A	5	5	50/60	
	250/5A	5	5	50/60	
	300/5A	5	5	50/60	
	400/5A	5	5	50/60	
	500/5A	5	5	50/60	
	600/5A	5	10	50/60	
	750/5A	5	10	50/60	
	800/5A	5	10	50/60	
	1000/5A	5	10	50/60	



ABO-85

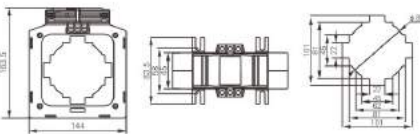
Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.5S	Class:0.5		
ABO-85	750/5A	5	10	50/60	
	800/5A	5	10	50/60	
	1000/5A	5	10	50/60	
	1200/5A	5	10	50/60	
	1500/5A	5	10	50/60	



ABO-100

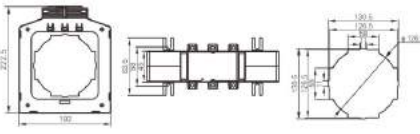
Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.5S	Class:0.5		
ABO-100	800/5A	5	10	50/60	
	1000/5A	5	10	50/60	
	1200/5A	7.5	10	50/60	
	1500/5A	7.5	10	50/60	
	1600/5A	7.5	10	50/60	
	2000/5A	10	15	50/60	
	2500/5A	10	15	50/60	
	3000/5A	10	15	50/60	



ABO-125

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)	Overall and installing dimensions (mm)
		Class:0.5S	Class:0.5		
ABO-125	1500/5A	7.5	10	50/60	
	1600/5A	7.5	10	50/60	
	2000/5A	10	15	50/60	
	2500/5A	10	15	50/60	
	3000/5A	10	15	50/60	
	4000/5A	15	20	50/60	
	5000/5A	15	20	50/60	

MBO Series

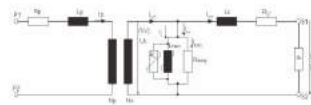


MBO range of current transformers are EURO style long life designed, enforced terminal makes the CT keep cooling after full load using for a long term, elegant black figure makes the CT perfectly assort with related components in high quality panel board.

Features

Two built in fixing methods: Side base; Busbar mounting
Built in hinged terminal cover
Enforced terminals
Primary current from 5A to 3000A.

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	5A~3000A
Measuring range	5% In~120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MQmin

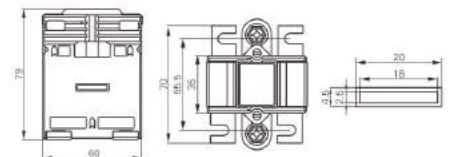
Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	Terminal

Technical parameter



MBO-62/B

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/B	5/5A	1.5	2.5	50/60
	10/5A	1.5	2.5	50/60
	15/5A	1.5	2.5	50/60
	20/5A	1.5	2.5	50/60
	25/5A	1.5	2.5	50/60
	30/5A	1.5	2.5	50/60
	40/5A	1.5	2.5	50/60
	50/5A	1.5	2.5	50/60
	60/5A	1.5	2.5	50/60
	75/5A	1.5	2.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	2.5	50/60
	200/5A	1.5	2.5	50/60



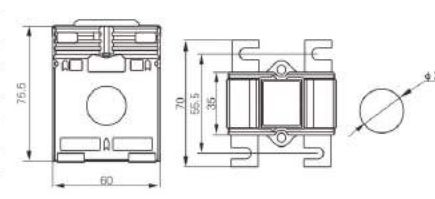
MBO Series

Technical parameter



MBO-62/20

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/20	30/5A	1.5 (4T)	2.5(4T)	50/60
	40/5A	1.5 (4T)	2.5(4T)	50/60
	50/5A	1.5 (2T)	2.5 (2T)	50/60
	60/5A	1.5 (2T)	2.5 (2T)	50/60
	75/5A	2.5 (2T)	1.5	50/60
	80/5A	2.5 (2T)	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	2.5	3.75	50/60

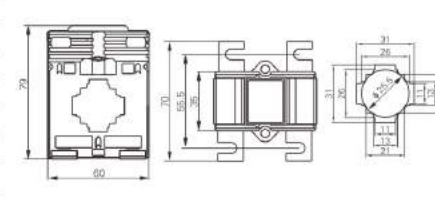


Technical parameter



MBO-62/30

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/30	30/5A	—	2.5 (4T)	50/60
	40/5A	—	2.5 (4T)	50/60
	50/5A	—	2.5 (2T)	50/60
	60/5A	—	2.5 (2T)	50/60
	75/5A	—	2.5 (2T)	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	3.75	50/60
	200/5A	2.5	5	50/60
	250/5A	2.5	5	50/60
	300/5A	3.75	5	50/60

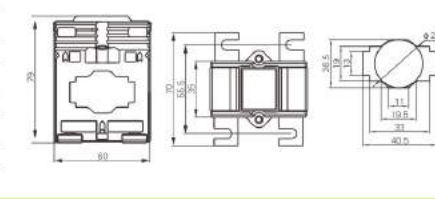


Technical parameter



MBO-62/40

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/40	60/5A	1.5 (3T)	3.75 (3T)	50/60
	75/5A	1.5 (2T)	3.75 (2T)	50/60
	100/5A	1	2	50/60
	150/5A	1.5	2.5	50/60
	200/5A	2.5	3.75	50/60
	250/5A	2.5	3.75	50/60
	300/5A	3.75	3.75	50/60
	400/5A	3.75	5	50/60

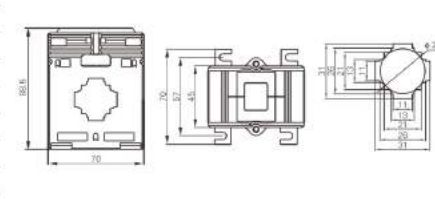


Technical parameter



MBO-30

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-30	50/5A	—	1.5(2T)	50/60
	60/5A	—	1.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	2.5	50/60
	200/5A	2.5	5	50/60
	250/5A	3.75	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60



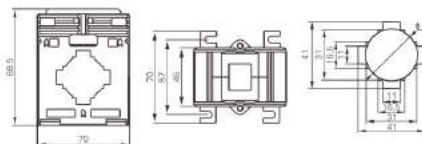
MBO Series



MBO-40

Technical parameter

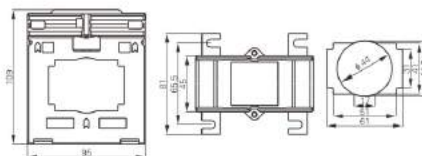
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-40	100/5A	1.5	2.5	50/60
	150/5A	1.5	2.5	50/60
	200/5A	2.5	5	50/60
	250/5A	3.75	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	7.5	50/60
	600/5A	5	7.5	50/60



MBO-60

Technical parameter

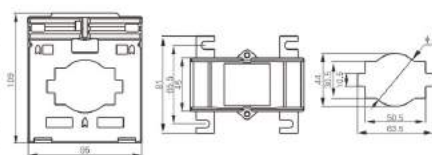
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-60	300/5A	1.5	2.5	50/60
	400/5A	2.5	5	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	5	10	50/60
	800/5A	5	10	50/60
	1000/5A	5	15	50/60
	1200/5A	5	15	50/60



MBO-70

Technical parameter

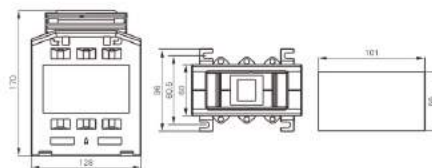
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-70	400/5A	2.5	5	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	5	10	50/60
	800/5A	5	10	50/60
	1000/5A	5	10	50/60
	1200/5A	5	10	50/60
	1500/5A	5	15	50/60
	1600/5A	5	15	50/60



MBO-100

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-100	750/5A	5	10	50/60
	800/5A	5	10	50/60
	1000/5A	5	15	50/60
	1200/5A	10	15	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	10	15	50/60
	2250/5A	10	15	50/60
	2500/5A	10	15	50/60
	3000/5A	10	15	50/60



DX Series

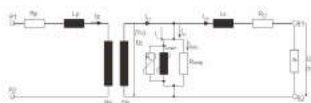


DX range of current transformers have been designed to be double terminal entry which allows short circuit links to be fitted when it is necessary to disconnect the measuring instrument from the transformer without damage to the CT, or for easier termination to ground of the CT

Features

- Safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Circuit connection diagram



Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
Current, power and energy monitoring device.
Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A-6000A
Measuring range	5% In-120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	Terminal

Standard

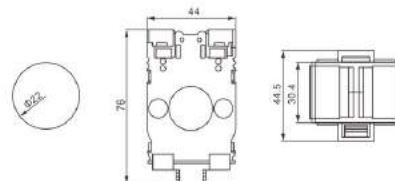
IEC61869-2, EN60044-1, VDE0414-44-1, GB1208-2006

Technical parameter

TYPE	Ratio(A)	Burden(VA) Class:1.0	Rated Frequency(Hz)
DM-20	15/5A	1.5(5T)	50/60
	20/5A	2.5(5T)	50/60
	25/5A	2.5(4T)	50/60
	30/5A	2.5(4T)	50/60
	40/5A	2.5(3T)	50/60
	50/5A	2.5(2T)	50/60
	60/5A	1	50/60
	75/5A	1.5	50/60
	80/5A	1.5	50/60
	100/5A	2.5	50/60
	125/5A	2.5	50/60
	150/5A	2.5	50/60
	200/5A	3.75	50/60
	255/5A	3.75	50/60
	300/5A	3.75	50/60



DM-20



DX Series

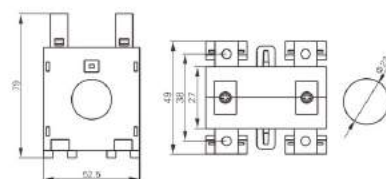


DX-20

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
DX-20	50/5A	—	1.5(2T)	50/60
	60/5A	—	1.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	2.5	50/60

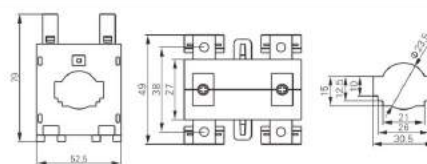




DX-30

Technical parameter

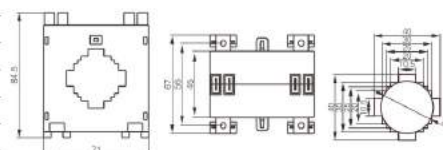
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
DX-30	100/5A	—	2.5	50/60
	150/5A	—	2.5	50/60
	200/5A	1.5	2.5	50/60
	250/5A	2.5	2.5	50/60
	300/5A	2.5	2.5	50/60
	400/5A	2.5	2.5	50/60
	500/5A	2.5	2.5	50/60



DX-40

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
DX-40	150/5A	—	2.5	50/60
	200/5A	2.5	2.5	50/60
	250/5A	2.5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	600/5A	5	10	50/60
	800/5A	5	10	50/60
	1000/5A	5	10	50/60

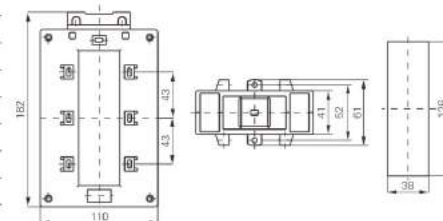


DX-125

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
DX-125	800/5A	5	10.0	50/60
	1000/5A	7.5	12.5	50/60
	1200/5A	10	15	50/60
	1250/5A	10	15	50/60
	1500/5A	15	25	50/60
	1600/5A	15	25	50/60
	2000/5A	15	25	50/60
	2250/5A	15	25	50/60
	2500/5A	15	25	50/60
	3000/5A	15	25	50/60
	4000/5A	20	30	50/60
	5000/5A	20	30	50/60
6000/5A	20	30	50/60	





PR Series



PR range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer. High accuracy protection level, larger capacity.

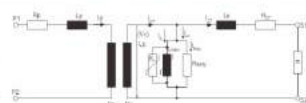
Features

Safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram

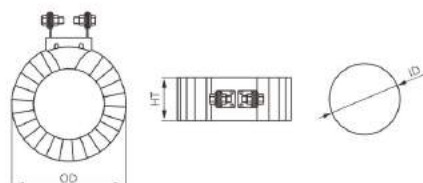


Technical parameter



PR-10P5

TYPE	Ratio(A)	Negative (VA)	Size		
			ID	OD	HT
PR-10P5	60/5A	15	34	100	148
	100/5A	15	34	100	98
	150/5A	15	34	100	68
	200/5A	15	34	100	58
	250/5A	15	45	100	68
	300/5A	15	45	100	58
	400/5A	15	60	100	58
	500/5A	15	60	100	48
	600/5A	15	65	100	48
	800/5A	15	85	120	38

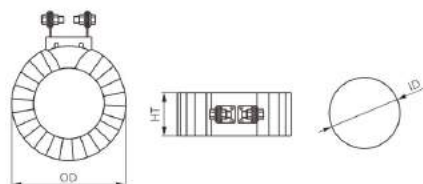


Technical parameter



PR 10P10

TYPE	Ratio(A)	Negative (VA)	Size		
			ID	OD	HT
PR 10P10	60/5A	15	30	145	155
	100/5A	15	34	100	168
	150/5A	15	34	100	108
	200/5A	15	34	100	88
	250/5A	15	45	96	108
	300/5A	15	45	96	98
	400/5A	15	60	100	98
	500/5A	15	60	100	83
	600/5A	15	68	110	68
	800/5A	15	85	120	63
	1000/5A	15	82	123	55
	1200/5A	15	82	123	55
	1600/5A	15	82	123	45
	2000/5A	15	125	178	35
	2500/5A	15	125	178	35
	3000/5A	15	125	178	35
	3500/5A	15	140	200	35
	4000/5A	15	140	200	35
	5000/5A	15	140	200	35



PR Series

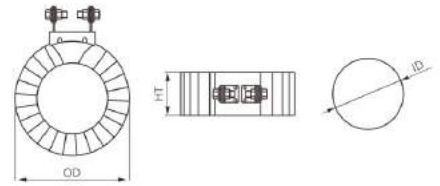
Technical parameter



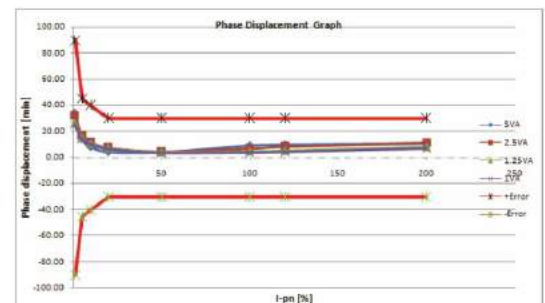
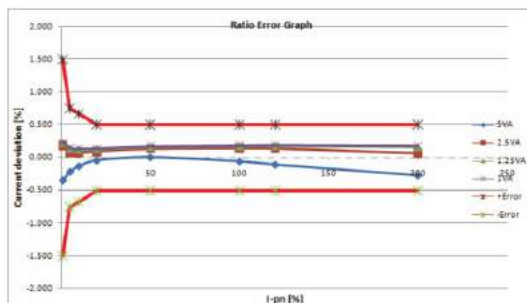
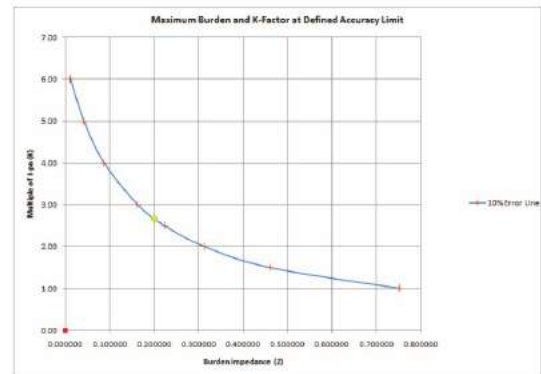
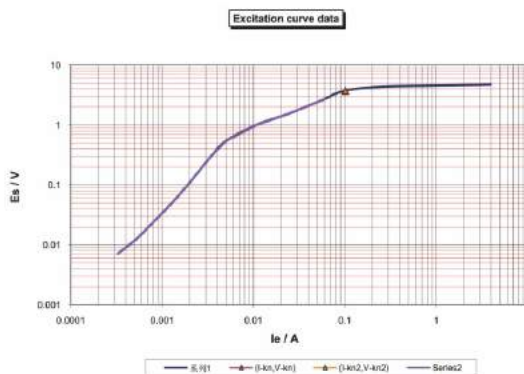
PR 5P10

PR 5P10

TYPE	Ratio(A)	Negative (VA)	Size		
			ID	OD	HT
	60/5A	15	30	145	165
	100/5A	15	34	100	180
	150/5A	15	34	100	130
	200/5A	15	34	100	110
	250/5A	15	45	96	110
	300/5A	15	45	96	110
	400/5A	15	45	96	98
	500/5A	15	60	100	100
	600/5A	15	68	110	78
	800/5A	15	85	120	78
	1000/5A	15	82	123	70
	1200/5A	15	82	123	70
	1600/5A	15	82	123	60
	2000/5A	15	125	178	38
	2500/5A	15	125	178	35
	3000/5A	15	120	178	35
	3500/5A	15	140	200	35
	4000/5A	15	140	200	35
	5000/5A	15	140	200	35



Accuracy class characteristics:



MR Series



Description:

MR series current transformer are available for connecting with cable, and also available for connecting with bus bar

MR Current transformer is a very useful device, it converts high AC current to small easily manageable value. Current transformers consist of primary winding, secondary winding, magnetic core and insulated body

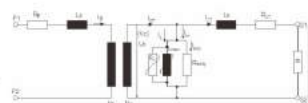
Feature

For measuring current transformers, the accuracy class is designated by the highest permissible percentage current (ratio) error at the rated current perscribed for the accuracy class concerned Class:0.5 1.0 3.0

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

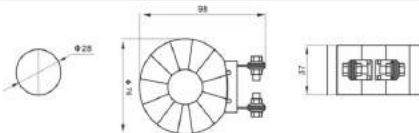
Circuit connection diagram

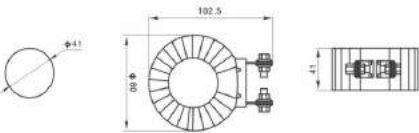


Technique Index

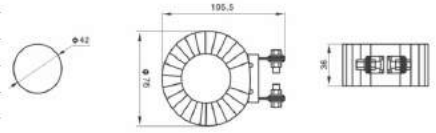
Electrical Parameter	
Rated Input	5A to 4000A
Rated Output	1A ,5A
Rated Burden	1.5VA to 30VA
Class of accuracy	0.5, 1.0
Thermal short circuit current(Ith)	Ith=60 × Ith
Dynamic short circuit current(Idyn)	2.5 × Ith
Instrument security factor	FS<5
Insulation class	E(120℃ max)
System voltage	720V maximum
Operating frequency	AC 50Hz ~60Hz

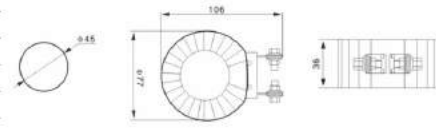
Mechanical Parameter	
Case	PC/UL94-V0
Mounting modes	Din Rail ,Busbar
Ambient temperature	-25℃~+75℃
Humidity	<95%RH(non condensing)
Storage temperature	-5℃~+45℃
Connection	Two connection on each side. M4 screws with self lifting clamp strap for all type
Applicable Standard	IEC/EN 60044-1, BS 3938
Test voltage	3KV AC 1min

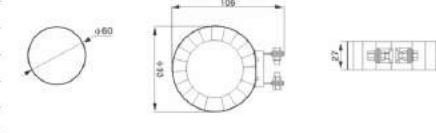
MR-28 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-28	50/5A	...	1.5	
	MR-28	60/5A	...	1.5	
	MR-28	75/5A	...	1.5	
	MR-28	100/5A	1.5	2.5	
	MR-28	50/1A	...	1.5	
	MR-28	60/1A	...	1.5	
	MR-28	75/1A	...	1.5	
	MR-28	100/1A	1.5	2.5	

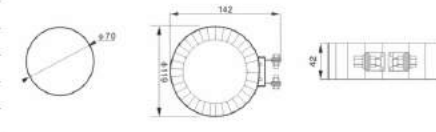
MR-40 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-40	100/5A	1.5	2.5	
	MR-40	150/5A	1.5	2.5	
	MR-40	200/5A	2.5	5	
	MR-40	250/5A	3.75	5	
	MR-40	300/5A	3.75	5	
	MR-40	100/1A	1.5	2.5	
	MR-40	150/1A	1.5	2.5	
	MR-40	200/1A	2.5	5	
	MR-40	250/1A	3.75	5	
	MR-40	300/1A	3.75	5	

MR Series

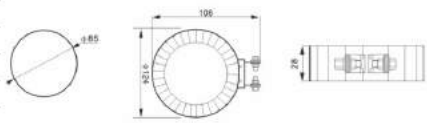
Mr42 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-42	100/5A	1.5	2.5	
	MR-42	150/5A	1.5	2.5	
	MR-42	200/5A	2.5	5	
	MR-42	250/5A	3.75	5	
	MR-42	300/5A	3.75	5	
	MR-42	100/1A	1.5	2.5	
	MR-42	150/1A	1.5	2.5	
	MR-42	200/1A	2.5	5	
	MR-42	250/1A	3.75	5	
	MR-42	300/1A	3.75	5	

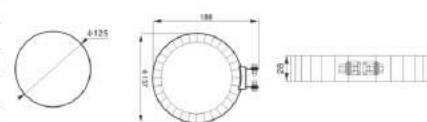
MR-45 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-45	250/5A	3.75	5	
	MR-45	300/5A	5	7.5	
	MR-45	400/5A	5	7.5	
	MR-45	250/1A	3.75	5	
	MR-45	300/1A	5	7.5	
	MR-45	400/1A	5	5	

MR-60 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-60	300/5A	3.75	5	
	MR-60	400/5A	5	7.5	
	MR-60	500/5A	5	10	
	MR-60	600/5A	7.5	10	
	MR-60	800/5A	7.5	10	
	MR-60	300/1A	3.75	5	
	MR-60	400/1A	5	7.5	
	MR-60	500/1A	5	10	
	MR-60	600/1A	7.5	10	
	MR-60	800/1A	7.5	10	

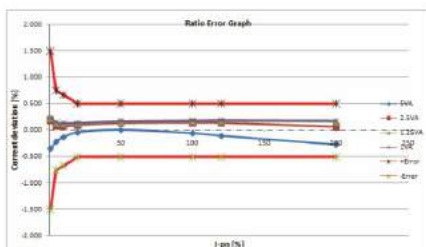
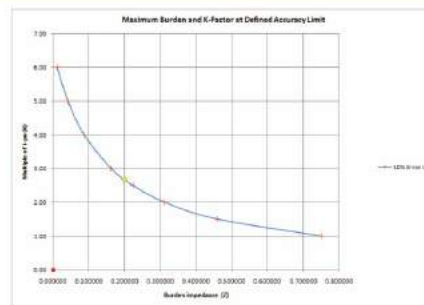
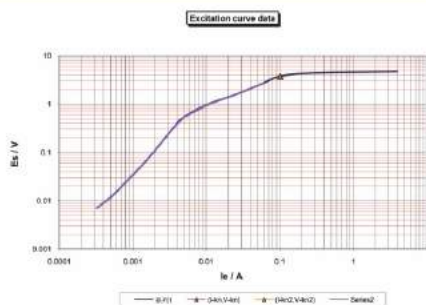
MR-70 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy		Dimension
			0.5	1.0	
	MR-70	600/5A	5	10	
	MR-70	800/5A	7.5	10	
	MR-70	1000/5A	10	15	
	MR-70	1200/5A	10	15	
	MR-70	1500/5A	10	15	
	MR-70	1600/5A	10	15	
	MR-70	600/1A	5	10	
	MR-70	800/1A	7.5	10	
	MR-70	1000/1A	10	15	
	MR-70	1200/1A	10	15	
	MR-70	1500/1A	10	15	
	MR-70	1600/1A	10	15	

MR Series

MR-85 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA) Accuracy		Dimension
			0.5	1.0	
	MR-85	600/5A	5	10	
	MR-85	800/5A	7.5	10	
	MR-85	1000/5A	10	15	
	MR-85	1200/5A	10	15	
	MR-85	1500/5A	10	15	
	MR-85	1600/5A	10	15	
	MR-85	600/1A	5	10	
	MR-85	800/1A	7.5	10	
	MR-85	1000/1A	10	10	
	MR-85	1200/1A	10	10	
	MR-85	1500/1A	10	10	
	MR-85	1600/1A	10	10	

MR-125 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA) Accuracy		Dimension
			0.5	1.0	
	MR-125	2000/5A	15	20	
	MR-125	2500/5A	15	20	
	MR-125	3000/5A	15	20	
	MR-125	4000/5A	20	30	
	MR-125	5000/5A	20	30	
	MR-125	2000/1A	15	20	
	MR-125	2500/1A	15	20	
	MR-125	3000/1A	15	20	
	MR-125	4000/1A	20	30	
	MR-125	5000/1A	20	30	

Accuracy class characteristics:



LMK Series



LMK3 range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer.

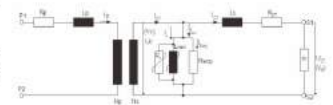
Features

Safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A–4000A
Measuring range	5%In–120%In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MQ min

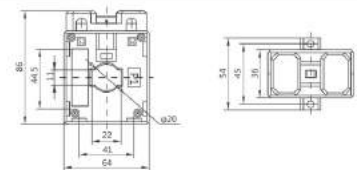
Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	–25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	Terminal

Technical parameter



LMK-20

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-20	75/5A	–	2.5	50/60
	100/5A	–	5	50/60
	150/5A	5	10	50/60
	200/5A	5	10	50/60

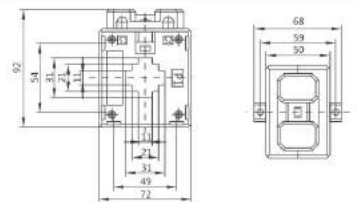


Technical parameter



LMK-30

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-30	150/5A	5	10	50/60
	200/5A	5	10	50/60
	250/5A	5	10	50/60
	300/5A	10	10	50/60
	400/5A	10	10	50/60
	500/5A	10	10	50/60



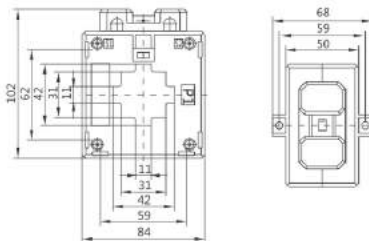
LMK Series



LMK-40

Technical parameter

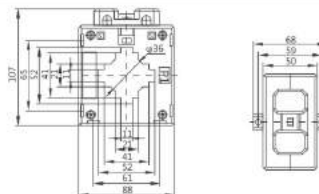
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-40	150/5A	5	10	50/60
	200/5A	5	10	50/60
	250/5A	5	10	50/60
	300/5A	10	10	50/60
	400/5A	10	10	50/60
	500/5A	10	10	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60



LMK-50

Technical parameter

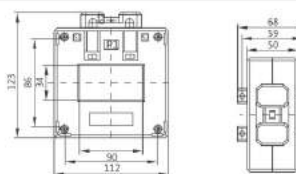
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-50	300/5A	10	10	50/60
	400/5A	10	10	50/60
	500/5A	10	10	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60



LMK-60

Technical parameter

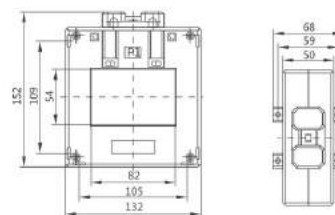
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-60	500/5A	10	10	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60
	1500/5A	20	20	50/60



LMK-80

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-80	500/5A	10	10	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60
	1500/5A	20	20	50/60
	2000/5A	40	40	50/60
	2500/5A	40	40	50/60



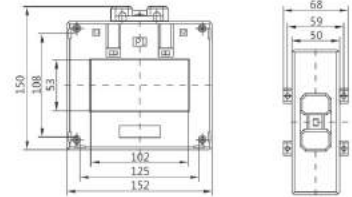
LMK Series



LMK-100

Technical parameter

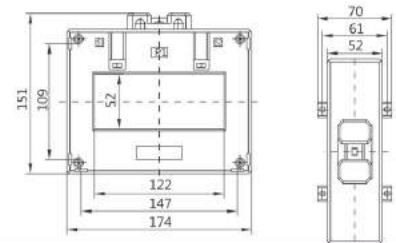
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-100	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60
	1500/5A	20	20	50/60
	2000/5A	40	40	50/60
	2500/5A	40	40	50/60



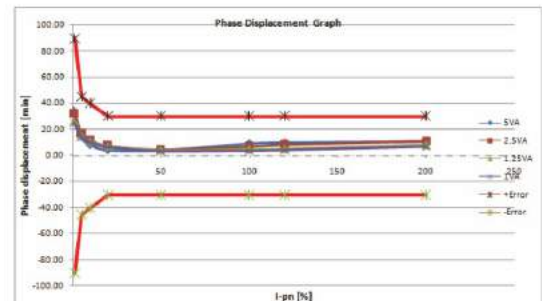
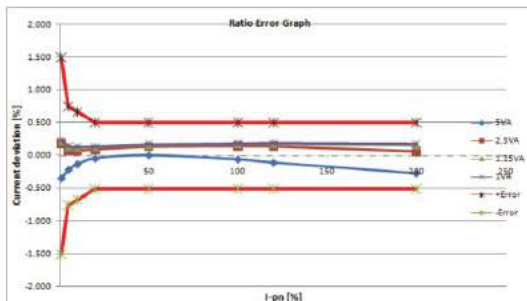
LMK-120

Technical parameter

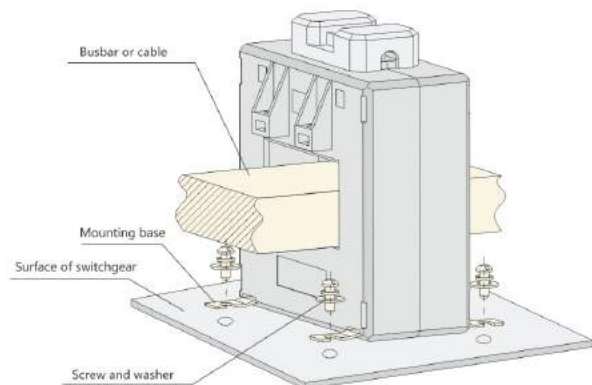
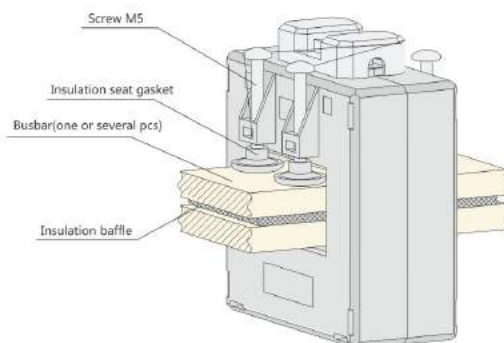
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
LMK-120	1000/5A	10	10	50/60
	1200/5A	20	20	50/60
	1500/5A	20	20	50/60
	2000/5A	40	40	50/60
	2500/5A	40	40	50/60
	3000/5A	40	40	50/60
	4000/5A	40	40	50/60



Accuracy class characteristics:



Installation



SDH Series



SDH range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer

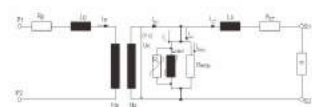
Features

Safe, easy to install, portable
Wide inner window, allowing clamping of big cables or bus-bars
Wide range of sizes to accommodate all the existing installations

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
Current, power and energy monitoring device.
Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A–4000A
Measuring range	5% I_n ~ 120% I_n
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩmin

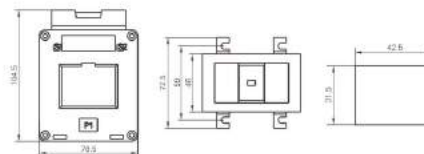
Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	– 25℃ ~ + 75℃
Operating Humidity	≤85%
Output Connection	Terminal

Technical parameter



SDH-40

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-40	150/5A	2.5	10.0	50/60
	200/5A	5	5	50/60
	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	10	10	50/60
	600/5A	10	10	50/60

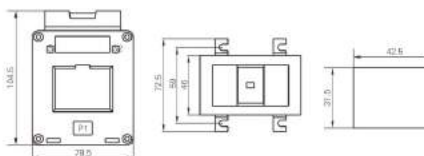


Technical parameter



SDH-50

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-50	200/5A	5	5	50/60
	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60



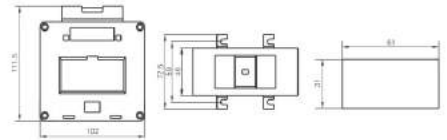
SDH Series



SDH-60

Technical parameter

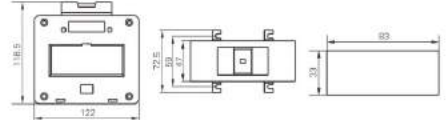
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-60	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	800/5A	5	5	50/60
	750/5A	5	5	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	10	10	50/60



SDH-80

Technical parameter

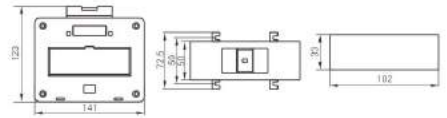
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-80	750/5A	5	5	50/60
	800/5A	5	5	50/60
	1000/5A	10	10	50/60
	1200/5A	10	10	50/60
	1500/5A	10	10	50/60
	1600/5A	10	10	50/60
	2000/5A	15	15	50/60



SDH-100

Technical parameter

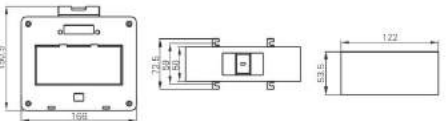
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-100	1000/5A	10	10	50/60
	1200/5A	20	10	50/60
	1500/5A	20	10	50/60
	2000/5A	20	10	50/60
	2500/5A	30	30	50/60
	3000/5A	30	30	50/60



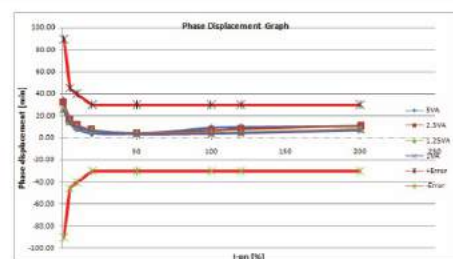
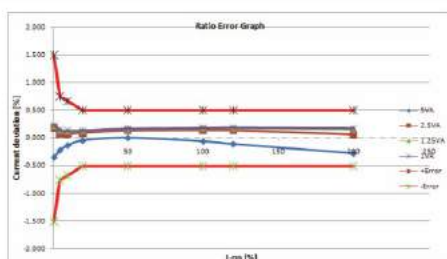
SDH-120

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
SDH-120	1500/5A	20	30	50/60
	1600/5A	20	30	50/60
	2000/5A	20	30	50/60
	2500/5A	20	30	50/60
	3000/5A	20	30	50/60
	4000/5A	20	30	50/60



Accuracy class characteristics:



Mini CT Series



Mini precision CT range of current transformer includes Load-type ct, Bus bar-type ct, Pin-type ct, DC immune ct and so on. Suitable for a wide range of current, can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit. Output could be customized.

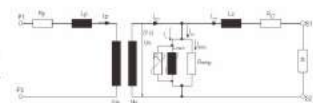
Features

Linear output current, high precision
 Small volume, light weight, easy for installation
 Various mechanical dimensions, highly customer-tailored
 Encapsulated with epoxy resin to ensure strong insulation ability

Applications

Current measurement, monitoring and protection for electrical wiring and equipment.
 Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system.
 Current, power and energy monitoring device.
 Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50–400Hz
Rated Input	0A–250A
Measuring range	5% I _n –120% I _n
Rated Output	0–100mA
Ratio	≤ ±0.1%
Phase angle	≤ ±5分
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Electrical Parameter	
Case	ABS / UL94–V0
Bobbin	PBT
Core	Permalloy or Nanocrystalline
Internal structure	Epoxy
Construction	PCB
Operating Temp	–25°C~+75°C
Operating Humidity	≤85%
Output Connection	Stitch

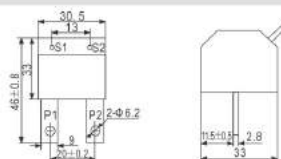
Standard

IEC61869–2, EN60044–1, VDE0414–44–1, GB1208–2006



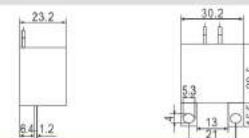
CT102

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT102	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.1
	10(60)A/10mA	10A	60A	10mA	100mV	10 Ω	0.1
	20(100)A/20mA	20A	100A	20mA	100mV	5 Ω	0.1
	20(120)A/10mA	20A	120A	10mA	100mV	10 Ω	0.1



CT103

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT103	1.5(6)A/5mA	1.5A	6A	5mA	100mV	20 Ω	0.1
	1.5(7.5)A/5mA	1.5A	7.5A	5mA	100mV	10 Ω	0.1
	1.5(6)A/7.5mA	1.5A	6A	7.5mA	75mV	10 Ω	0.1



Mini CT Series



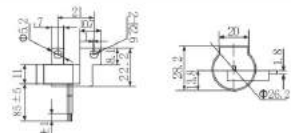
CT108

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT108	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.1
	10(60)A/10mA	10A	60A	10mA	100mV	10 Ω	0.1
	10(60)A/5mA	10A	60A	5mA	100mV	20 Ω	0.1
	10(100)A/5mA	10A	100A	5mA	100mV	10 Ω	0.1



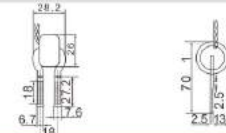
CT109

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT109	5(30)A/5mA	5A	30A	5mA	50mV	10 Ω	0.2/0.1
	5(30)A/2.5mA	5A	30A	2.5mA	50mV	20 Ω	0.2/0.1
	10(60)A/10mA	10A	60A	10mA	50mV	5 Ω	0.2/0.1
	10(60)A/5mA	10A	60A	5mA	50mV	10 Ω	0.2/0.1



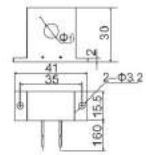
CT112

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT112	10(60)A/10mA	10A	60A	10mA	100mV	10 Ω	0.1
	10(60)A/5mA	10A	60A	5mA	100mV	20 Ω	0.1



CT001

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT001	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.1
	10(50)A/10mA	10A	50A	10mA	100mV	10 Ω	0.1
	15(60)A/15mA	15A	60A	15mA	75mV	5 Ω	0.1
	30A/30mA	30A	36A	30mA	600mV	20 Ω	0.1
	50A/25mA	50A	60A	25mA	500mV	20 Ω	0.1



CT003

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT003	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.2/0.1
	5(40)A/5mA	5A	40A	5mA	100mV	20 Ω	0.2/0.1
	6(30)A/4mA	6A	30A	4mA	80mV	20 Ω	0.1

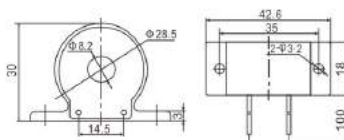


Mini CT Series



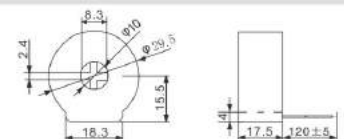
CT006

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT006	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.1
	10(60)A/10mA	10A	60A	10mA	100mV	10 Ω	0.1
	10(100)A/5mA	10A	100A	5mA	50mV	10 Ω	0.1
	20(100)A/20mA	20A	100A	20mA	100mV	5 Ω	0.1



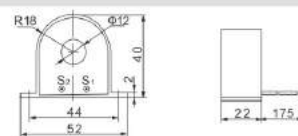
CT007

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT007	5(30)A/5mA	5A	30A	5mA	100mV	20 Ω	0.1
	10(60)A/10mA	10A	60A	10mA	100mV	10 Ω	0.1
	10(100)A/5mA	10A	100A	5mA	50mV	10 Ω	0.1
	20(100)A/20mA	20A	100A	20mA	100mV	5 Ω	0.1



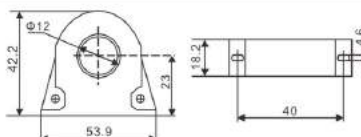
CT008

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT008	20(100)A/20mA	20A	100A	20mA	100mV	5 Ω	0.1
	40(200)A/20mA	40A	200A	20mA	100mV	5 Ω	0.1
	20(100)A/20mA	200A	240A	100mA	100mV	5 Ω	0.2



CT009

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT009	20A/100mA	20A	40A	100mA	100mV	10 Ω	0.2
	20(100)A/20mA	20A	100A	20mA	200mV	10 Ω	0.1
	50(200)A/25mA	50A	200A	25mA	250mV	10 Ω	0.1
	200A/100mA	200A	240A	100mA	500mV	5 Ω	0.2

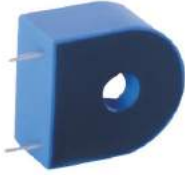


CT012

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT012	40(200)A/20mA	40A	200A	20mA	200mV	10 Ω	0.2/0.1
	80(400)A/40mA	80A	400A	40mA	200mV	5 Ω	0.2/0.1
	400A/200mA	400A	480A	200mA	1000mV	5 Ω	0.2/0.1

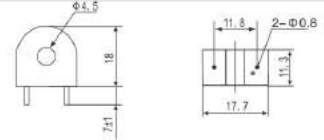


Mini CT Series



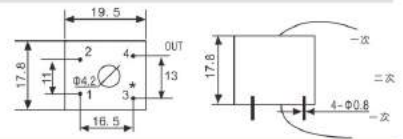
CT226A

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT226A	5A/5mA	5A	10A	5mA	100mV	20 Ω	0.2/0.1
	5A/2.5mA	5A	20A	2.5mA	50mV	20 Ω	0.2/0.1



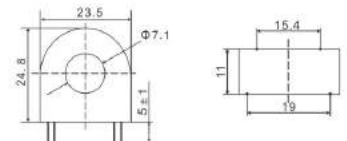
CT405

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT405	5A/5mA	5A	20A	5mA	100mV	20 Ω	0.1
	5A/2.5mA	5A	40A	2.5mA	50mV	20 Ω	0.1



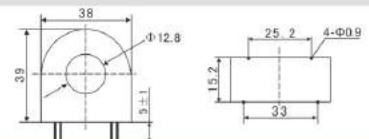
CT406

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT406	5A/2.5mA	5A	40A	2.5mA	50mV	20 Ω	0.1/0.2
	5A/5mA	5A	20A	5mA	100mV	20 Ω	0.2
	10A/4mA	10A	40A	4mA	80mV	20 Ω	0.1
	20A/20mA	40A	48A	20mA	400mV	20 Ω	0.1



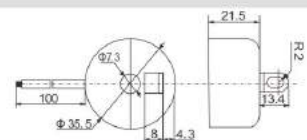
CT409

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT409	10(100)A/10mA	10A	100A	10mA	100mV	10 Ω	0.1
	10(100)A/5mA	10A	100A	5mA	100mV	20 Ω	0.1
	20(200)A/10mA	20A	200A	10mA	50mV	5 Ω	0.1



DCT-607

model	Ratio	Pr. Current	Max. Current	Sec. Current	DC immune	Load Resistance	Class
DCT-607	5(30)A/2mA	5A	30A	2mA	≥22A	25 Ω	0.1/0.2
	10(40)A/4mA	10A	40A	4mA	≥28.5A	20 Ω	0.1/0.2
	10(60)A/4mA	10A	60A	4mA	≥43A	12.5 Ω	0.1/0.2

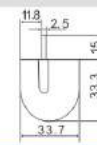
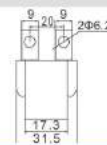


Mini CT Series



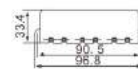
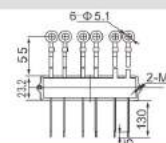
DCT-610

model	Ratio	Pr. Current	Max. Current	Sec. Current	DC immune	Load Resistance	Class
DCT-610	5(30)A/2mA	5A	30A	2mA	$\geq 22A$	25 Ω	0.1/0.2
	10(40)A/4mA	10A	40A	4mA	$\geq 28.5A$	20 Ω	0.1/0.2
	15(60)A/6mA	15A	60A	6mA	$\geq 43A$	12.5 Ω	0.1/0.2



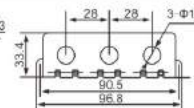
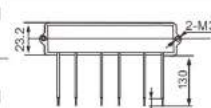
CT-301

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT-301	1.5(6)A/5mA	1.5A	6A	5mA	100mV	20 Ω	0.1
	1.5(6)A/7.5mA	1.5A	6A	7.5mA	75mV	10 Ω	0.1



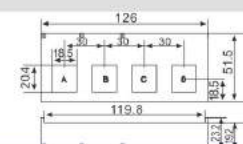
CT-302

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT-302	10(100)A/10mA	10A	100A	10mA	100mV	10 Ω	0.1
	10(100)A/5mA	10A	100A	5mA	100mV	20 Ω	0.1



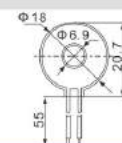
CT-303

model	Ratio	Pr. Current	Max. Current	Sec. Current	Sampling voltage	Load Resistance	Class
CT-303	100A/40mA	100A	400A	40mA	800mV	20 Ω	0.2/0.5
	225A/60mA	225A	900A	60mA	1200mV	20 Ω	0.2/0.5



ZCT-007

model	A current	Secondary voltage
ZCT-007	10-400mA	6-500mV



C2 Series



C2 series dismantlable hall effect current sensor is an open loop device based on the measuring principle of the hall effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

Directions for use

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor)
2. Custom design in the different rated input current and the output voltage are available.

Applications

- Variable speed drives
- Welding machine
- Battery supplied applications
- Uninterruptible Power Supplies (UPS)
- Electrochemical

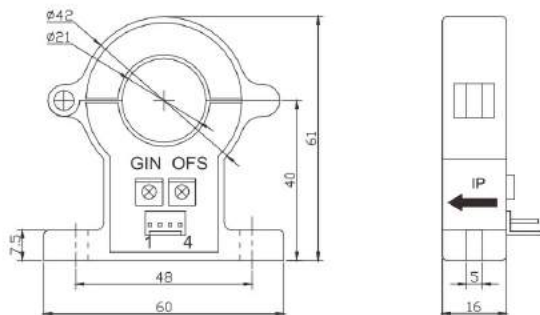
Standards

- UL94-V0.
- EN60947-1:2004
- IEC60950-1:2001
- EN50178:1998
- SJ 20790-2000

Electrical data ($T_a=25^\circ\text{C} \pm 5^\circ\text{C}$, $R_L=2\text{K}\Omega$, $C_L=10000\text{PF}$)

Type	C2-100A	C2-200A	C2-300A	C2-400A	C2-500A	Unit
Rated current(I_{pn})	± 100	± 200	± 300	± 400	± 500	A
Measure range(I_p)	$0 \sim \pm 200$	$0 \sim \pm 400$	$0 \sim \pm 600$	$0 \sim \pm 800$	$0 \sim \pm 1000$	A
Rated output	$@I_p = \pm I_{pn}$		$\pm 4 \pm 1\%$			V
Supply voltage			$\pm 12, \pm 15$			V
Power Consumption			<25			mA
Offset voltage	$@I_p=0$		± 20			mV
Magnetic offset	$@I_p = \pm I_{pn} - 0$		± 20			mV
Offset drift	$@ -40 \sim +85^\circ\text{C}$		$\leq \pm 1$			mV/ $^\circ\text{C}$
Output drift	$@ -40 \sim +85^\circ\text{C}$		$\leq \pm 1$			mV/ $^\circ\text{C}$
Linearity	$@I_p=0 \sim \pm I_{pn}$		≤ 1			%FS
Response time	$@50\text{A}/\mu\text{S}, 10\% - 90\%$		≤ 5			μs
Galvanic isolation	$@50\text{HZ}, \text{AC}, 1\text{min}$		2.5			KV
Isolation resistance	$@\text{DC } 500\text{V}$		1000			M Ω

Mechanical dimension(for reference only)



Remarks:

1. All dimensions are in mm.
2. General tolerance $\pm 1\text{mm}$.
3. Elucidation: 1: +15V 2: -15V 3: VOUT 4: 0V

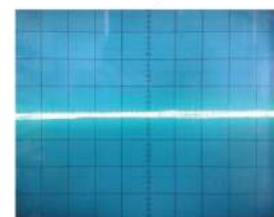
Characteristics chart

Pulse current signal response characteristic



(Input signal)
(Output signal)

Effects of impulse noise



(Output voltage)

C3 Series



C3 series dismountable hall effect current sensor is an open loop device based on the measuring principle of the hall effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

Directions for use

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor)
2. Custom design in the different rated input current and the output voltage are available.

Applications

- Variable speed drives
- Welding machine
- Battery supplied applications
- Uninterruptible Power Supplies (UPS)
- Electrochemical

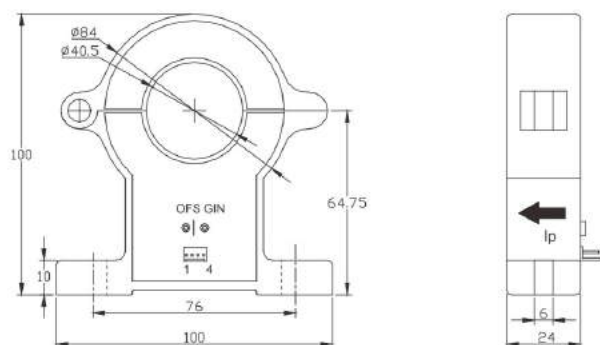
Standards

- UL94-V0.
- EN60947-1:2004
- IEC60950-1:2001
- EN50178:1998
- SJ 20790-2000

Electrical data ($T_a=25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $R_L=2\text{K}\Omega$, $C_L=10000\text{PF}$)

Type	C3-400A	C3-600A	C3-800A	C3-1000A	C3-2000A	Unit
Rated current(I_{pn})	± 400	± 600	± 800	± 1000	± 2000	A
Measure range(I_p)	$0 \sim \pm 800$	$0 \sim \pm 1200$	$0 \sim \pm 1600$	$0 \sim \pm 2000$	$0 \sim \pm 3000$	A
Rated output	@ $I_p = \pm I_{pn}$		$\pm 4 \pm 1\%$			V
Supply voltage			$\pm 12, \pm 15$			V
Power Consumption			<25			mA
Offset voltage	@ $I_p=0$		± 20			mV
Magnetic offset	@ $I_p = \pm I_{pn} - 0$		± 20			mV
Offset drift	@ $-40 \sim +85^{\circ}\text{C}$		$\leq \pm 1$			mV/ $^{\circ}\text{C}$
Output drift	@ $-40 \sim +85^{\circ}\text{C}$		$\leq \pm 1$			mV/ $^{\circ}\text{C}$
Linearity	@ $I_p=0 \sim \pm I_{pn}$		≤ 1			%FS
Response time	@50A/ μS , 10%~90%		≤ 5			μs
Galvanic isolation	@ 50HZ, AC, 1min		5			KV
Isolation resistance	@ DC 500V		1000			M Ω

Mechanical dimension(for reference only)

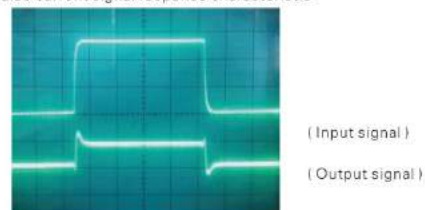


Remarks:

1. All dimensions are in mm.
2. General tolerance $\pm 1\text{mm}$.
3. Elucidation: 1: +15V 2: -15V 3: VOUT 4: 0V

Characteristics chart

Pulse current signal response characteristic



Effects of impulse noise

