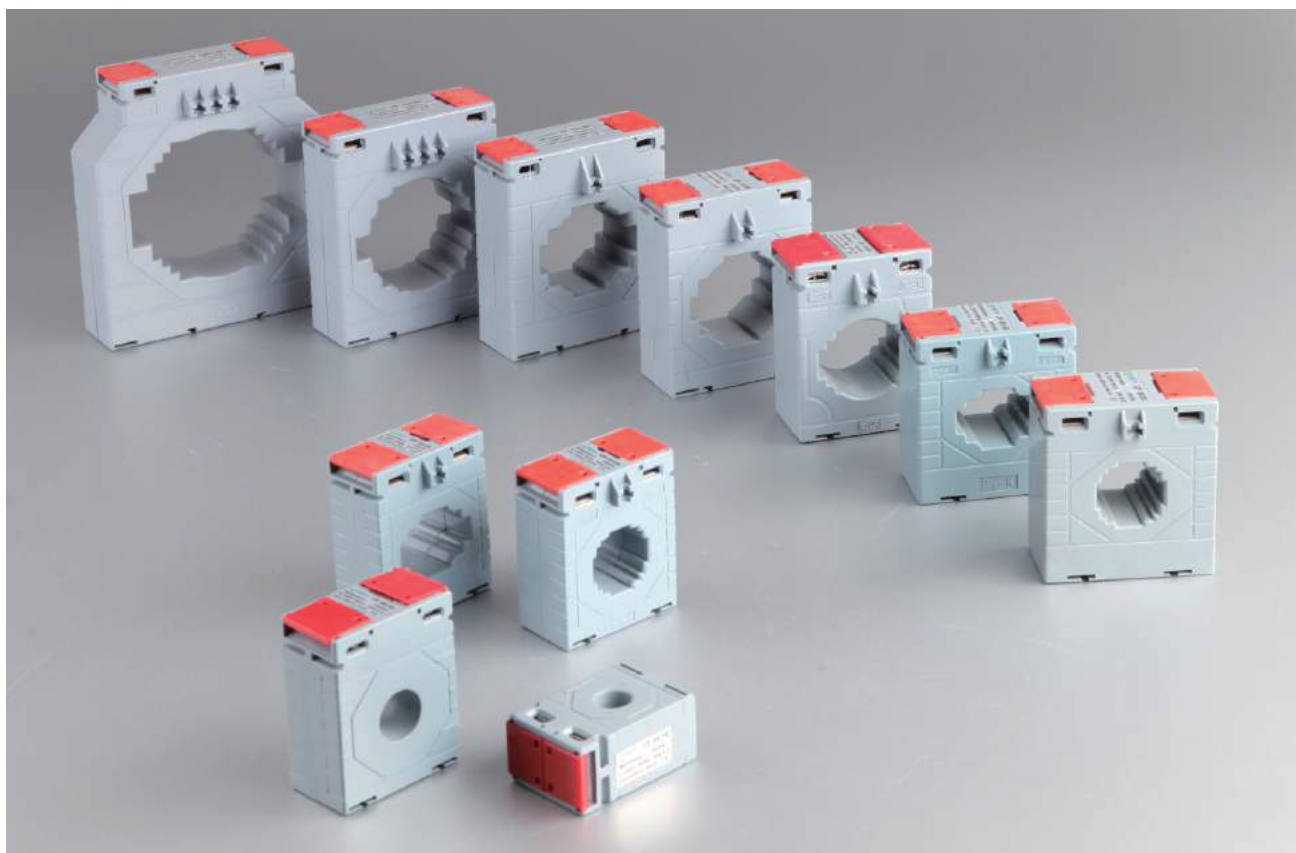


Vakio

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.

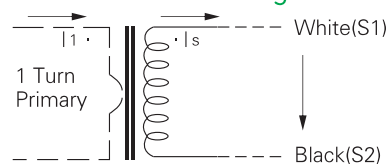
Features

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

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	50/60Hz
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

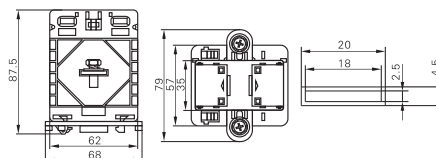
Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	– 25°C ~ + 75°C
Operating Humidity	≤85%
Output Connection	Terminal



CP-62/B

Technical parameter

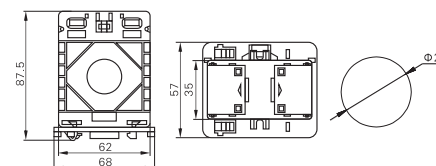
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/B	5/5A	1.5	2.5	50/60
	10/5A	1.5	2.5	50/60
	15/5A	1.5	2.5	50/60
	20/5A	1.5	2.5	50/60
	25/5A	1.5	2.5	50/60
	30/5A	1.5	2.5	50/60
	40/5A	1.5	2.5	50/60
	50/5A	1.5	2.5	50/60
	60/5A	1.5	2.5	50/60
	75/5A	1.5	2.5	50/60
	100/5A	1.5	2.5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



CP-62/20

Technical parameter

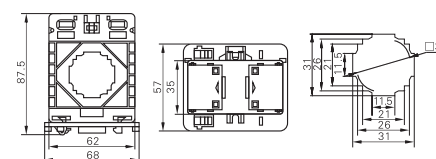
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/20	30/5A	—	2.5(4T)	50/60
	40/5A	—	2.5(3T)	50/60
	50/5A	—	2.5(3T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	80/5A	—	2.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60



CP-62/30

Technical parameter

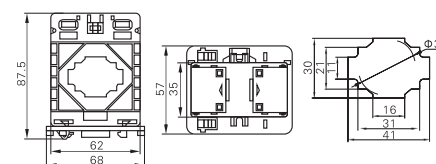
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-62/30	30/5A	—	2.5(4T)	50/60
	40/5A	—	2.5(3T)	50/60
	50/5A	—	2.5(2T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60



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

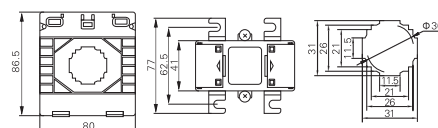




CP-80/30

Technical parameter

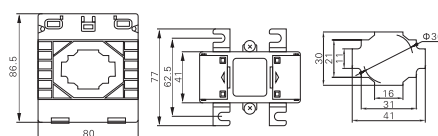
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-80/30	30/5A	—	2.5(4T)	50/60
	50/5A	—	2.5(2T)	50/60
	60/5A	—	2.5(2T)	50/60
	75/5A	—	1.5	50/60
	100/5A	—	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60



CP-80/40

Technical parameter

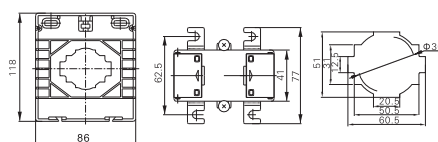
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-80/40	100/5A	—	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A	3.75	5	50/60
	250/5A	3.75	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60



CP-86/60

Technical parameter

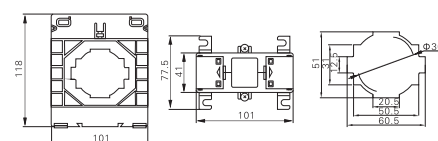
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-86/60	250/5A	3.75	5	50/60
	300/5A	5	7.5	50/60
	400/5A	5	7.5	50/60
	500/5A	5	7.5	50/60
	600/5A	10	15	50/60
	750/5A	10	15	50/60
	800/5A	10	15	50/60
	1000/5A	10	15	50/60



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	15	50/60
	750/5A	10	15	50/60
	800/5A	10	15	50/60
	1000/5A	10	20	50/60
	1200/5A	15	20	50/60
	1500/5A	15	20	50/60
	1600/5A	15	20	50/60

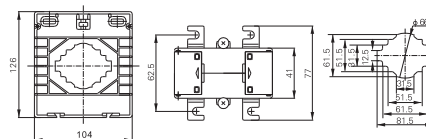




CP-104/80

Technical parameter

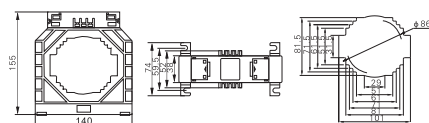
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
CP-104/80	600A	10	15	50/60
	750A	10	15	50/60
	800A	10	15	50/60
	1000A	15	20	50/60
	1200A	15	20	50/60
	1250A	15	20	50/60
	1500A	15	20	50/60
	1600A	15	20	50/60
	2000/5A	15	20	50/60



CP-140/100

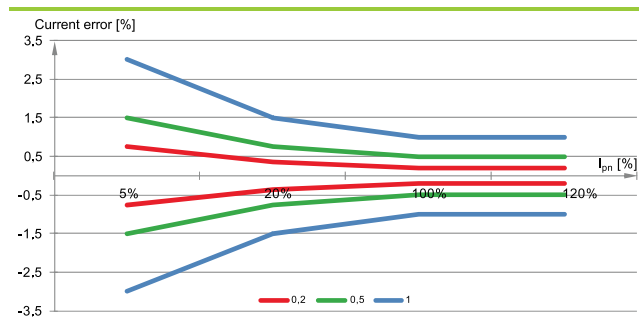
Technical parameter

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

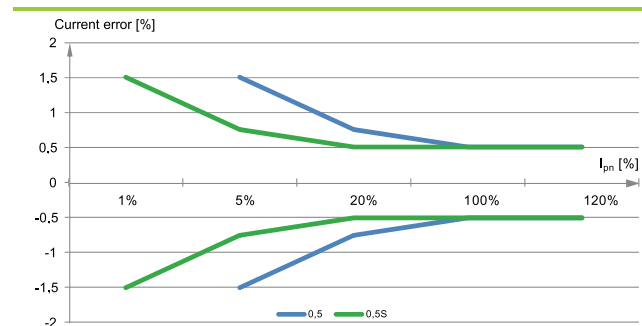


Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



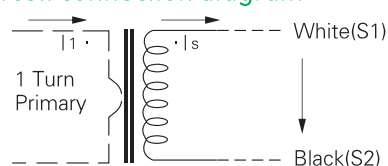


MSQ range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form 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–5000A
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

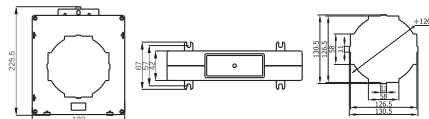
Mechanical Parameter	
Case	PC/UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	–25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	Terminal



MSQ-125

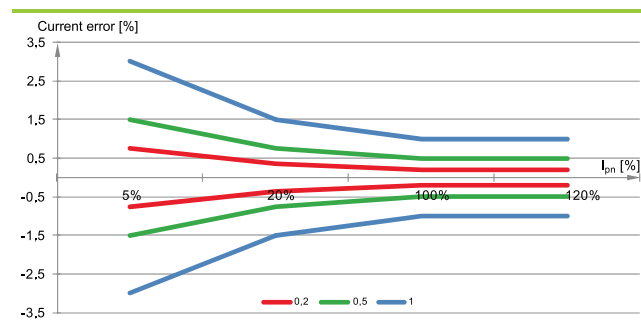
Technical parameter

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

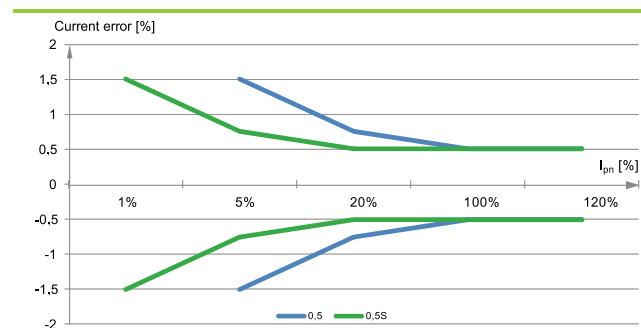


Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



Installation

