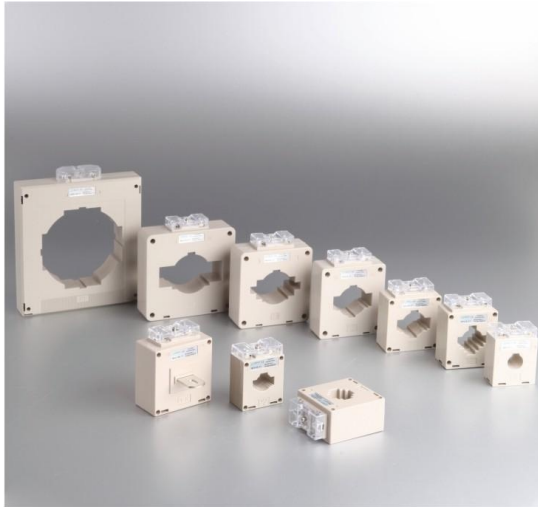


MSQ Series

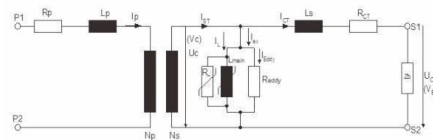


MSQ range of current transformers can be applied to test, control display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 800V and the frequency of 50-60Hz. The product can be also applied for solar.

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
Ratio Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MQ min
System Voltage	800VAC

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
Accuracy	Class 1.0 or Better

Standard

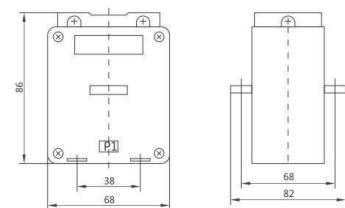
IEC 60044-1

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



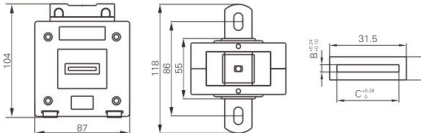
MSQ Series

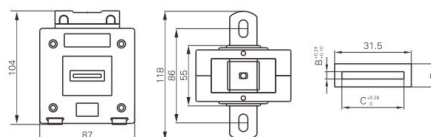
Technical parameter



MSQ-30B

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
	300/5A	5	7.5	50/60



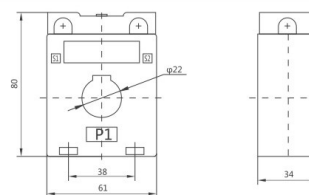


Technical parameter



MSQ-20

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

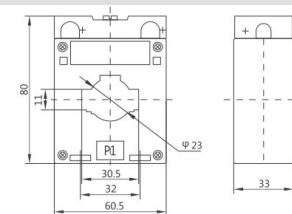


Technical parameter



MSQ-30I

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

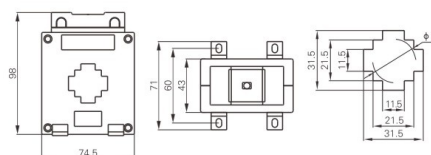


Technical parameter



MSQ-30

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	



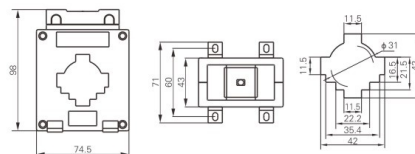
MSQ Series



MSQ-40

Technical parameter

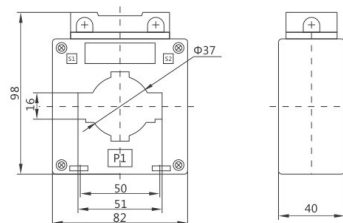
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-40	100/5A	—	2.5	50/60
	150/5A	—	2.5	50/60
	200/5A	2.5	5	50/60
	250/5A	2.5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60



MSQ-50

Technical parameter

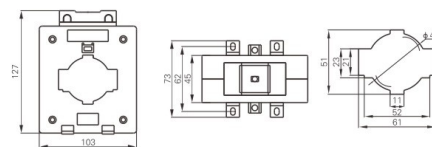
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-50	150/5A	—	2.5	50/60
	200/5A	2.5	2.5	50/60
	250/5A	2.5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	20	20	50/60



MSQ-60

Technical parameter

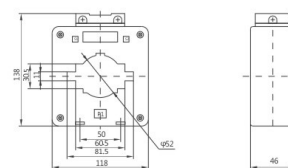
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-60	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	10	50/60
	500/5A	5	10	50/60
	600/5A	5	10	50/60
	750/5A	5	10	50/60
	800/5A	7.5	10	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1500/5A	15	15	50/60
	1600/5A	15	15	50/60



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



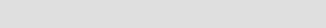
MSQ Series

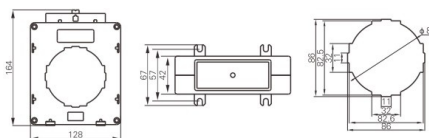


MSQ-85

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

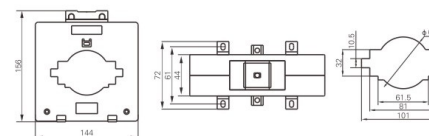




MSQ-100

Technical parameter

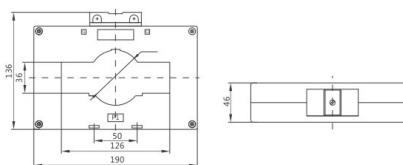
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MSQ-100	800/5A	5	10	50/60
	1000/5A	10	15	50/60
	1200/5A	10	15	50/60
	1250/5A	10	15	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	10	15	50/60
	2500/5A	10	15	50/60
	3000/5A	10	15	50/60



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

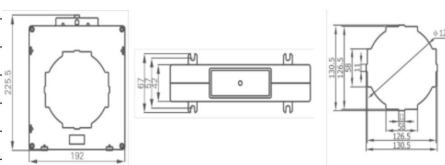


MSQ-125

Technical parameter

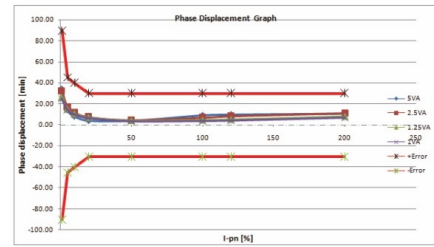
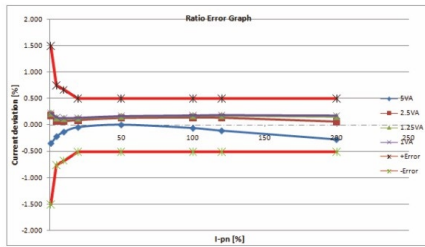
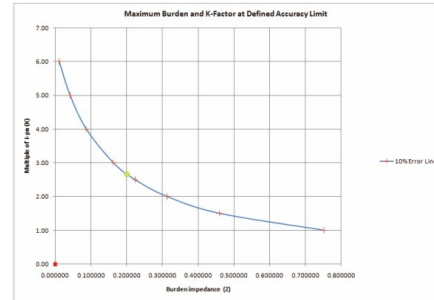
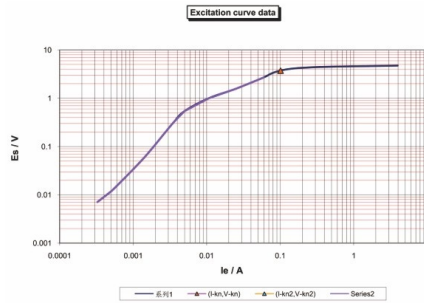
TYPE	Ratio(A)	Burden(VA)		Rated
		Class:0.5	Class:1.0	Frequency(Hz)
MSQ-125	1000/5A	5	10	50/60
	1200/5A	7.5	10	50/60
	1500/5A	10	15	50/60
	1600/5A	10	15	50/60
	2000/5A	15	20	50/60
	2500/5A	15	20	50/60
	3000/5A	15	20	50/60
	3500/5A	15	20	50/60
	4000/5A	15	20	50/60
	5000/5A	20	20	50/60
6000/5A	20	20	50/60	

Technical drawing of the MSQ-125 transformer showing three views: top, side, and front. The top view is a square with a rounded corner, with dimensions 220.5 mm by 190 mm. The side view shows a rectangular profile with dimensions 67 mm by 190 mm. The front view shows a circular profile with dimensions 120.5 mm by 120.5 mm. The drawing includes various mounting points and a central terminal.



MSQ Series

Accuracy class characteristics:



Installation

