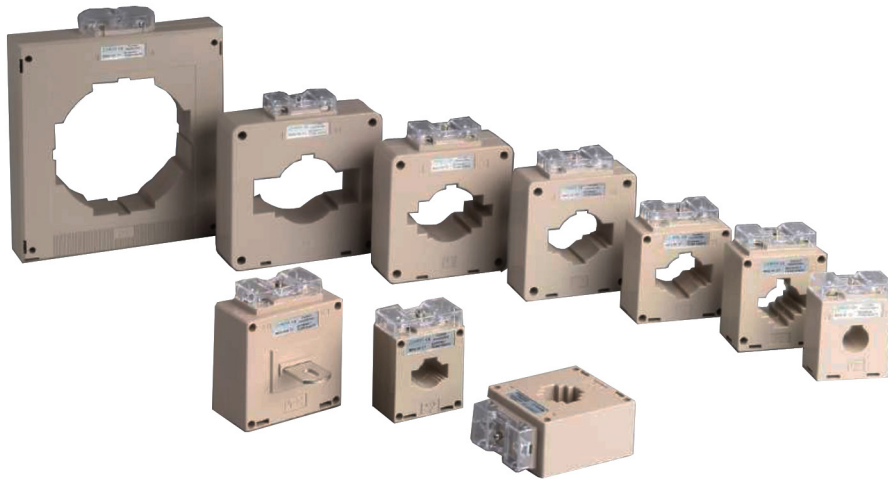


Metering Current Transformers

AVAILABLE FROM
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

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

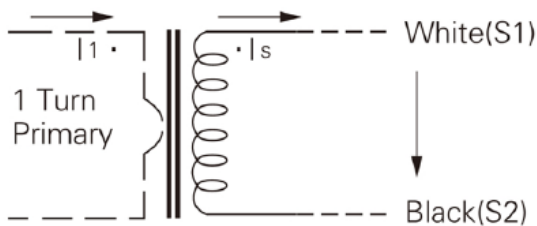
Features

- Safe, easy to install and 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, air conditioning equipment and automation-control system
- Current, power and energy monitoring device
- Relay protection device

Circuit Connection Diagram



Electrical Parameter

Frequency	50 / 50Hz
Rated Input	30A-6000A
Measuring Range	5%In-120%In
Rated Output	1A or 5A
Rated Voltage	0.72KV(AC)
Dielectric Strength	3.0KV / 1mA / 1min
Insulation Resistance	DC500V / 100MΩmin

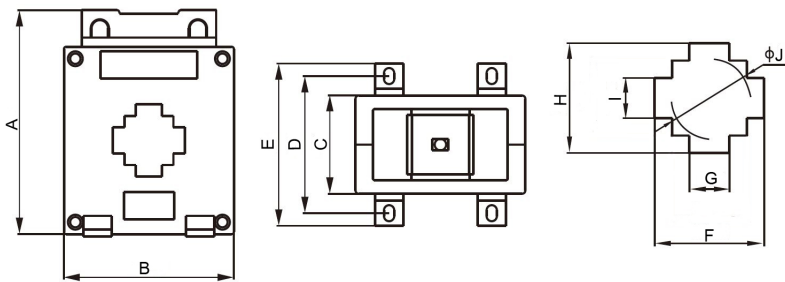
Mechanical Parameter

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

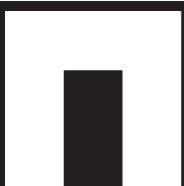
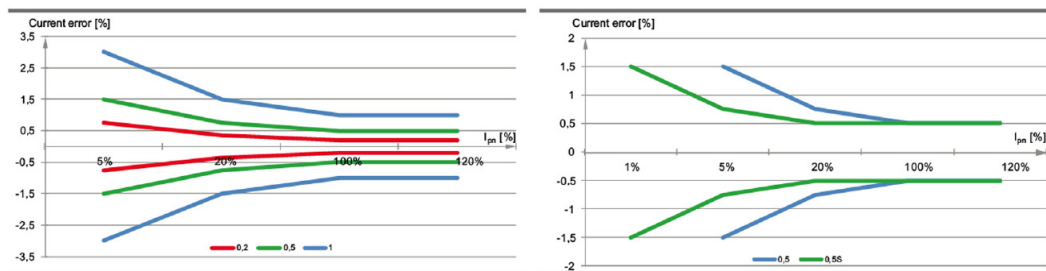
Metering Current Transformers

Technical Parameters

Part No	Ratio (A)	Burden (VA)		Rated Frequency (Hz)	Dimensions									
		Class: 0.5	Class: 1.0		A	B	C	D	E	F	G	H	I	φJ
MSQ-30-30/5A	30/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-40/5A	40/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-50/5A	50/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-60/5A	60/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-75/5A	75/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-80/5A	80/5A	2.5	2.5	50/60	98	74.5	43	60	71	31.5	11.5	31.5	11.5	24
MSQ-30-100/5A	100/5A	5	5											
MSQ-30-150/5A	150/5A	5-10	5-10											
MSQ-40-100/5A	100/5A	2.5	5	50/60	98	74.5	43	60	71	42	11.5	42	11.5	31
MSQ-40-150/5A	150/5A	2.5	5	50/60	98	74.5	43	60	71	42	11.5	42	11.5	31
MSQ-50-200/5A	200/5A	2.5	2.5	50/60	98	82	40	-	-	51	11	51	16	37
MSQ-50-250/5A	250/5A	5	5	50/60	98	82	40	-	-	51	11	51	16	37
MSQ-50-300/5A	300/5A	5	5	50/60	98	82	40	-	-	51	11	51	16	37
MSQ-50-400/5A	400/5A	5	5	50/60	98	82	40	-	-	51	11	51	16	37
MSQ-60-500/5A	500/5A	5	10	50/60	127	103	45	62	73	61	11	51	21	46
MSQ-60-600/5A	600/5A	5	10	50/60	127	103	45	62	73	61	11	51	21	46
MSQ-60-750/5A	750/5A	5	10	50/60	127	103	45	62	73	61	11	51	21	46
MSQ-60-1000/1A	1000/1A	15	15											
MSQ-80-800/5A	800/5A	10	10	50/60	138	118	46	-	-	81.5	60.5	30.5	11	52
MSQ-80-1000/5A	1000/5A	10	10	50/60	138	118	46	-	-	81.5	60.5	30.5	11	52
MSQ-80-1200/5A	1200/5A	10	15	50/60	138	118	46	-	-	81.5	60.5	30.5	11	52
MSQ-85-1500/5A	1500/5A	10	15	50/60	164	128	42	57	67	86	11	86	11	82
MSQ-85-1600/5A	1600/5A	10	15	50/60	164	128	42	57	67	86	11	86	11	82
MSQ-85-2000/5A	2000/5A	15	15	50/60	164	128	42	57	67	86	11	86	11	82
MSQ-125-2500/5A	2500/5A	15	20	50/60	225.5	192	42	57	67	130.5	11	130.5	11	126.5
MSQ-125-3000/5A	3000/5A	15	20	50/60	225.5	192	42	57	67	130.5	11	130.5	11	126.5
MSQ-125-4000/5A	4000/5A	15	20	50/60	225.5	192	42	57	67	130.5	11	130.5	11	126.5
MSQ-125-5000/5A	5000/5A	20	20	50/60	225.5	192	42	57	67	130.5	11	130.5	11	126.5
MSQ-125-6000/5A	6000/5A	20	20	50/60	225.5	192	42	57	67	130.5	11	130.5	11	126.5



Accuracy Class Characteristics



NEPEAN
Power

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