

Split Core Current Transformers

DP/MSQ Series



DP/MSQ range of split core current transformers have been designed to easily fit around cables with out breaking the circuit. Its advantages of big capacity and big mounting hole size, could be used in more power applications. DP/MSQ was global used in most power applications.

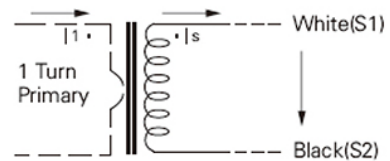
Features

- 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 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, air-condition equipment and automation-control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Circuit connection diagram

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-5000A
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/100MΩ 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

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DP/MSQ-23

Technical parameter

TYPE	Rated Current ratio (A)	Burden (VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP/MSQ-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/MSQ-58

Technical parameter

TYPE	Rated Current ratio (A)	Burden (VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP/MSQ-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/MSQ-88

Technical parameter

TYPE	Rated Current ratio (A)	Burden (VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP/MSQ-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/MSQ-812

Technical parameter

TYPE	Rated Current ratio (A)	Burden (VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP/MSQ-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	

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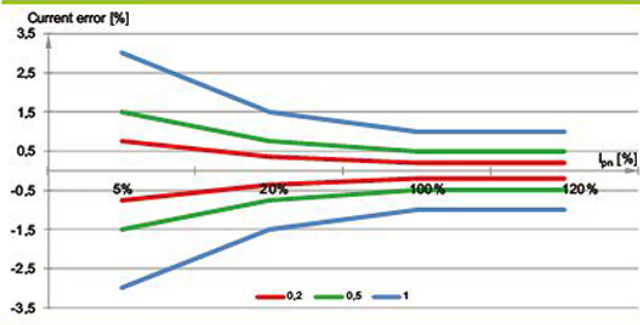
DP/MSQ-816

Technical parameter

TYPE	Rated Current ratio (A)	Burden (VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
DP/MSQ-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	

Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S

