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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.

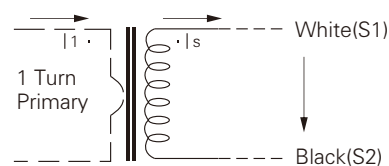
Features

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

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

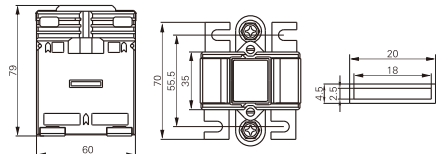
MBO Series



MBO-62/B

Technical parameter

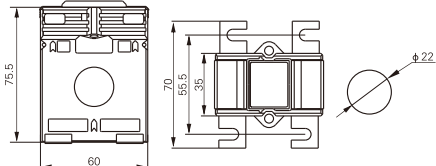
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/B	5/5A	1.5	2.5	50/60
	10/5A	1.5	2.5	50/60
	15/5A	1.5	2.5	50/60
	20/5A	1.5	2.5	50/60
	25/5A	1.5	2.5	50/60
	30/5A	1.5	2.5	50/60
	40/5A	1.5	2.5	50/60
	50/5A	1.5	2.5	50/60
	60/5A	1.5	2.5	50/60
	75/5A	1.5	2.5	50/60
	100/5A	1.5	2.5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




MBO-62/20

Technical parameter

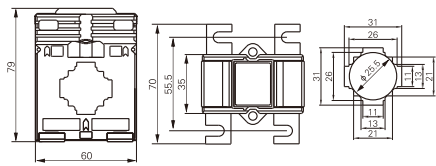
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/20	30/5A	1.5 (4T)	2.5(4T)	50/60
	40/5A	1.5 (4T)	2.5(4T)	50/60
	50/5A	1.5 (2T)	2.5 (2T)	50/60
	60/5A	1.5 (2T)	2.5 (2T)	50/60
	75/5A	2.5 (2T)	1.5	50/60
	80/5A	2.5 (2T)	1.5	50/60
	100/5A	1.5	2.5	50/60
	150/5A	2.5	3.75	50/60
	200/5A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




MBO-62/30

Technical parameter

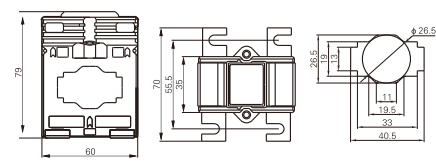
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
MBO-62/30	30/5A	-	2.5 (4T)	50/60
	40/5A	-	2.5 (4T)	50/60
	50/5A	-	2.5 (2T)	50/60
	60/5A	-	2.5 (2T)	50/60
	75/5A	-	2.5 (2T)	50/60
	100/5A	1.5	2.5	50/60
	150/5A	1.5	3.75	50/60
	200/5A	2.5	5	50/60
	250/5A	2.5	5	50/60
	300/5A	3.75	5	50/60




MBO-62/40

Technical parameter

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



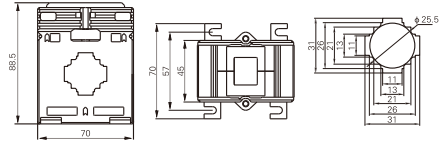
MBO Series

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

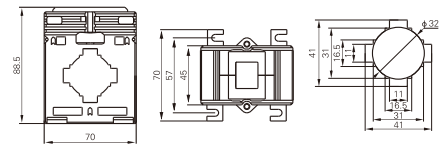


Technical parameter



MBO-40

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

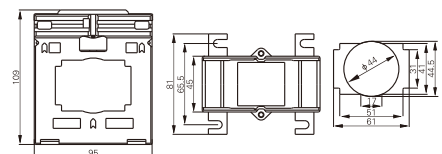


Technical parameter



MBO-60

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

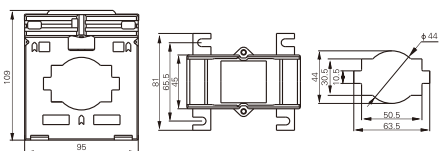


Technical parameter



MBO-70

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



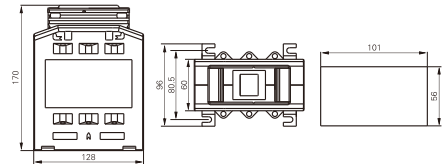
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MBO-100

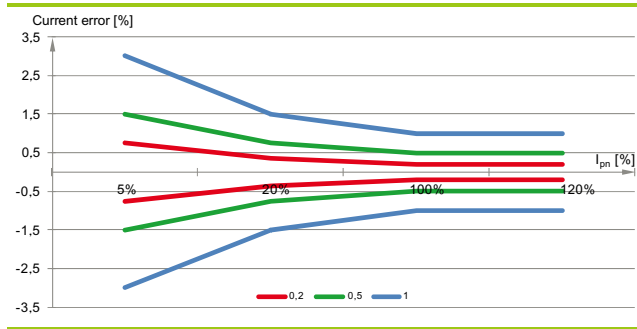
Technical parameter

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



Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S

