

Low Voltage Current Transformers

BHI Series

BHI series current transformer is 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 4000A

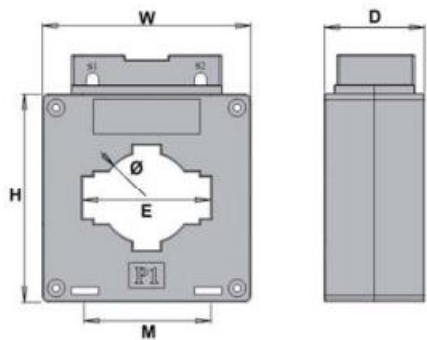
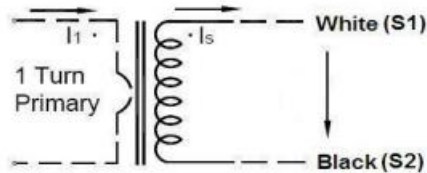
◆ Features

- 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

◆ 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	50-400Hz
Rated Input	5A-4000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 10\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

◆ Type Selection (Output: 1A/5A)

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)					
				Ø	W	H	D	E	M
BH-30I	5-400A	1A/5A	0.2, 0.5, 1.0	23	60	68	36	31	32
BH-40I	5-800A	1A/5A		31	75	82	44	42	43
BH-50I	5-1000A	1A/5A		36	83	83	44	51	50
BH-60I	5-1500A	1A/5A		45	100	128	45	61	42
BH-80I	5-2000A	1A/5A		52	117	138	45	82	60
BH-100I	5-4000A	1A/5A		62	145	154	45	102	80

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