

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

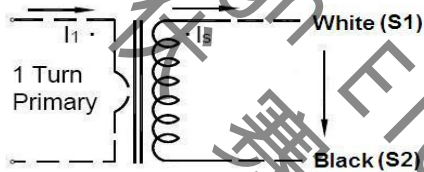
◆ Features

- 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

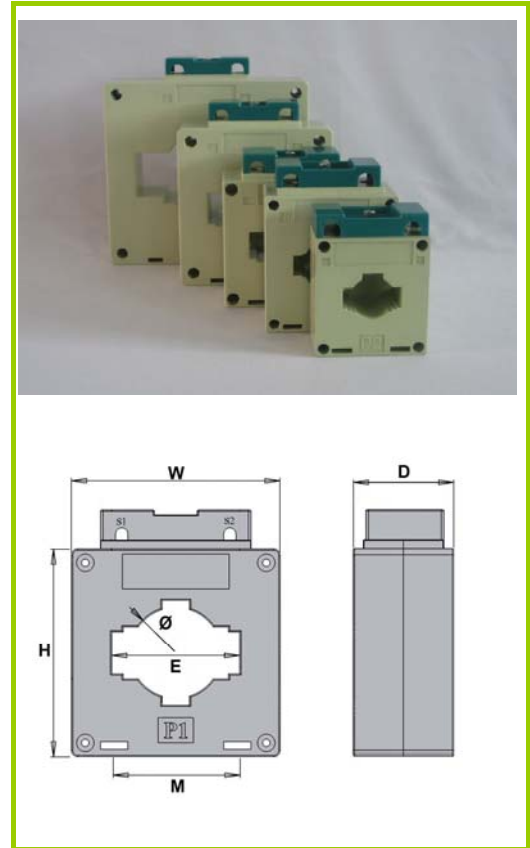
◆ Applications

- 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%I _n -130%I _n
Rated Output	0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
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°C ~ +75°C
Operating Humidity	≤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

BHII(SDH) Series

BHII(SDH) 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 30000A

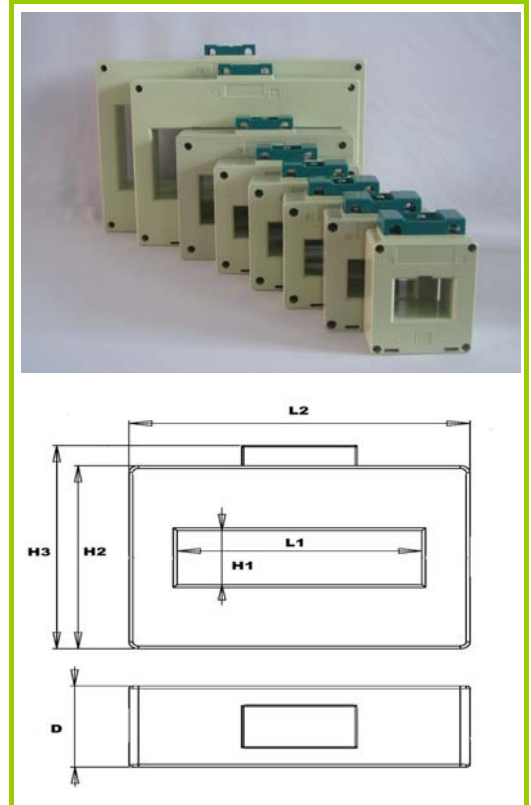
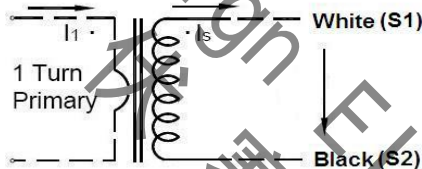
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◆ **Circuit connection diagram**



◆ **Technique Index**

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-30000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	≤ ± 0.1%
Phase angle	≤ ±5min
Dielectric strength	3.0KV/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℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal

◆ **Type Selection (Output: 1A/5A)**

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions (mm)					
				L1	H1	L2	H2	H3	D
BH(SDH)30II	5-400A	1A/5A	0.1	32	32	64	101	111	46
BH(SDH)40II	5-800A			42	32	75	103	113	46
BH(SDH)50II	5-1500A			52	32	87	109	119	46
BH(SDH)60II	5-2000A			62	32	99	112	122	46
BH(SDH)80II	5-2500A			82	32	113	108	118	46
BH(SDH)100II	5-4000A			102	32	141	106	116	49
BH(SDH)140II	5-5000A			142	35	187	116	126	49
BH(SDH)180II	5-5000A			182	38	228	100	110	49

BHII(SDH) Series

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)					
				L1	H1	L2	H2	H3	D
BH(SDH)60*50II	5-2000A	1A/5A	0.1 0.2 0.5 1.0	60	50	102	130	140	46
BH(SDH)80*50II	5-2500A			80	50	118	132	142	46
BH(SDH)100*50II	5-4000A			102	52	141	133	143	48
BH(SDH)120*50II	5-5000A			120	52	167	138	148	48
BH(SDH)170*50II	5-5000A			170	52	250	150	160	60
BH(SDH)225*50II	5-6000A			225	52	270	150	160	55
BH(SDH)125*60II	5-4000A			125	60	178	157	167	60
BH(SDH)205*60II	5-5000A			205	60	248	158	168	55
BH(SDH)200*80II	5-5000A			200	80	245	208	218	50
BH(SDH)400*80II	5-10000A			402	82	500	180	185	50
BH(SDH)260*100II	5-5000A			260	100	308	227	237	60
BH(SDH)300*100II	5-10000A			302	102	400	200	205	50
BH(SDH)450*100II	5-20000A			452	102	550	200	205	50
BH(SDH)500*100II	5-20000A			502	102	600	200	205	50
BH(SDH)550*100II	5-20000A			552	102	600	200	205	50
BH(SDH)600*100II	5-20000A			602	102	700	200	205	50
BH(SDH)800*100II	5-20000A			802	102	900	200	205	50
BH(SDH)360*150II	5-20000A			362	152	460	250	255	50
BH(SDH)500*450II	5-30000A			502	452	600	550	555	50
BH(SDH)600*450II	5-30000A			602	452	700	550	555	50
BH(SDH)800*450II	5-30000A			802	452	900	550	555	50