



# SHAANXI SHINHOM ENTERPRISE CO.,LTD

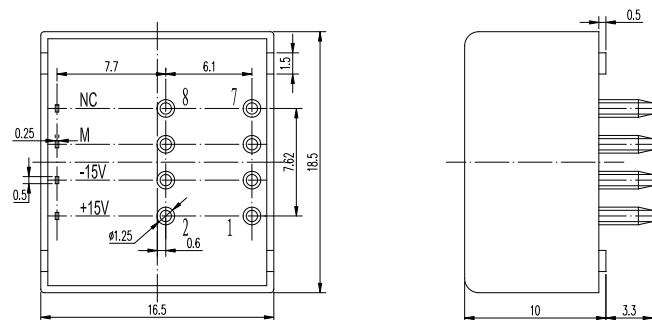
## HBC-X Series Hall Effect Current Sensor

HBC-X Series current sensor with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

### ELECTRICAL DATA

	HBC10XA	HBC20XA	HBC30XA	HBC50XA	
Rated input current	10	20	30	50	A
Test current range	20	40	60	100	A
Turns ratio	1000	1000	1500	2500	T
Sec winding resistance	60	60	100	150	Ω
Rated output current	10±0.5%	20±0.5%	20±0.5%	20±0.5%	mA
Supply voltage	±15±5%				V
Offset current	≤±0.25				mA
Offset current Drift	-40~+85°C ≤±0.5				mA
Linearity	≤±0.2				%FS
Class	≤±0.7				%
di/dt	>50				A/μS
Response time	<1				μS
Bandwidth	DC~200				KHZ
Insulation voltage	2.5				KV
Operating Temperature	-40~+85				°C
Storage Temperature	-40~+105				°C

### MUTING DIMENSIONS(FOR REFERENCE ONLY)



### THE WIRING DIAGRAM

Turns	Turns ratio	Rated input current IPN[A]	Rated output voltage VOUT[V]	Pri DCR[mΩ]	Pri inductance [μH]	Terminal
Single phase	1	±10(±20, ±30,±50)	2.5±0.625	0.05	0.025	
	2	±5(±10, ±15,±25)	2.5±0.625	0.20	0.1	
	4	±2.5(±5, ±7.5, ±12.5)	2.5±0.625	1.00	0.4	
three-phase	1	±10(±20, ±30)	2.5±0.625	0.05	0.025	