



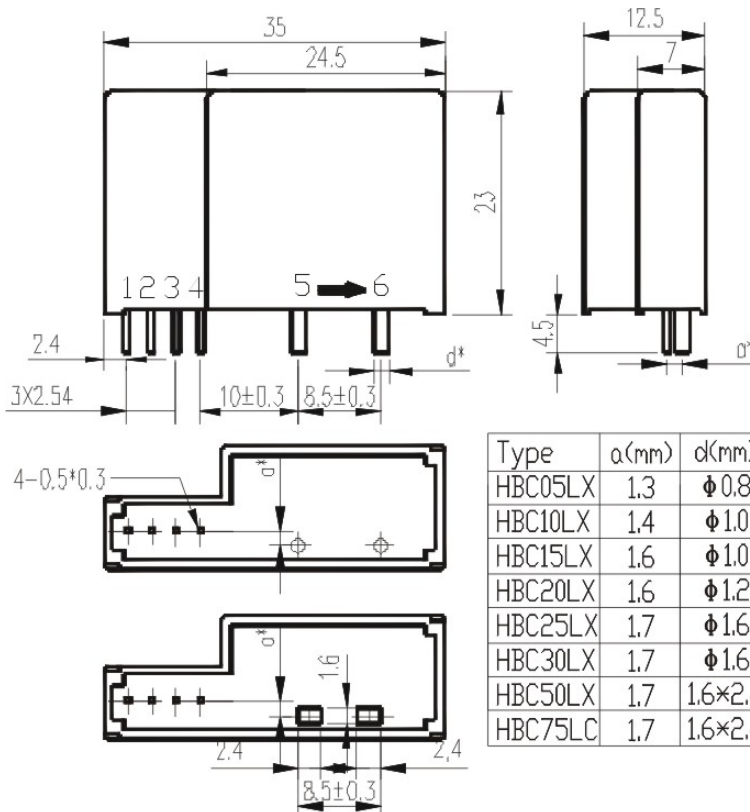
**HBC-LX Series Hall Effect Current Sensor**

HBC-LX 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**

	HBC-05LX		HBC-10LX		HBC-15LX		HBC-20LX		
	HBC-25LX		HBC-30LX		HBC-50LX		HBC-75LX		
Rated input current	5	10	15	20	25	30	50	75	A
Test current range	10	20	30	40	50	60	100	150	A
Turns ratio	4: 1000	3: 150	2: 150	2: 200	1: 1250	1: 150	1: 250	1: 375	
Rated output voltage	4±0.5%								V
Supply voltage	±15±5%								V
Zero offset current	≤±0.04								V
Consumption current	≤±18±20								mA
Linearity	≤±0.2								%FS
Response time	<1								μs
Output Thermal drift	<±0.02								%/°C
Zero Thermal drift	≤±1								mV/°C
Insulation voltage	50(60)HZ,1min, 2.5								KV
insulating strength	>1000								MΩ
Operating temperature	-40~+85								°C
Storage temperature	-40~+105								°C

**DIMENSIONS**



Type	a(mm)	d(mm)	Pins	Define
HBC05LX	1.3	φ0.8	1	+15V
HBC10LX	1.4	φ1.0	2	-15V
HBC15LX	1.6	φ1.0	3	OUT
HBC20LX	1.6	φ1.2	4	0V
HBC25LX	1.7	φ1.6	5	+IN
HBC30LX	1.7	φ1.6	6	-IN
HBC50LX	1.7	1.6×2.4		
HBC75LC	1.7	1.6×2.4		

**DIRECTIONS FOR USE**

1. When current go through the sensor, its value can be measured at output end. (Note: wrong wire connection can cause sensor breakdown )
2. Different rated input & output current sensors can be customized according to customer's requirements.