



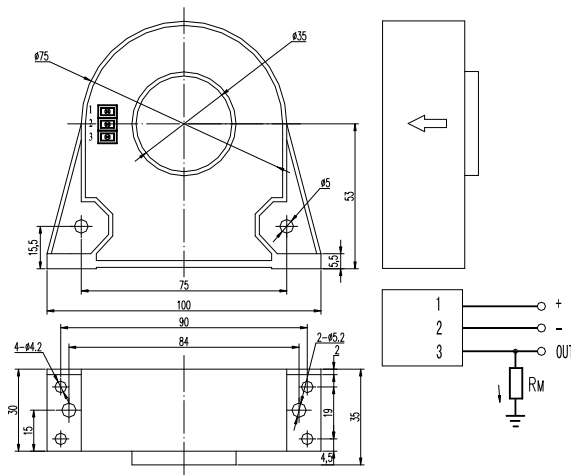
**HBC-LTB Series Hall Effect Current Sensor**

HBC-LTB 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**

	HBC300LTB	HBC500LTB	
Rated input current	300	500	A
Test current range	600 (±18V, 51Ω)	1000 (±18V, 39Ω)	A
Test resistance with±15V	@±300Amax 110(max)	@±500Amax 100(max)	Ω
	@±600Amax 36(max)	@±1000Amax 25(max)	Ω
with±18V	@±300Amax 130(max)	@±500Amax 120(max)	Ω
	@±600Amax 51(max)	@±1000Amax 39(max)	Ω
Turns ratio	1:3000	1:5000	
Rated output current	100		mA
Supply voltage	±15~±24		V
Zero offset current	±0.2		mA
Offset current Drift	±0.5		mA
Response time	<1		μs
Linearity	±0.2		%FS
Insulation voltage	50HZ,1min,6		KV
di/dt	>100		A/μs
Bandwidth(-3dB)	DC...100		KHz
Sec winding resistance	31	45	Ω
Operating Temperature	-40~+85		°C
Storage Temperature	-40~+105		°C

**MUTING DIMENSIONS(FOR REFERENCE ONLY)**



**INSTRUCTIONS FOR USE**

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor).
2. The output amplitude of the sensor can be adjusted according to users requirements.
3. Custom design in the nominal input current and the output voltage available