

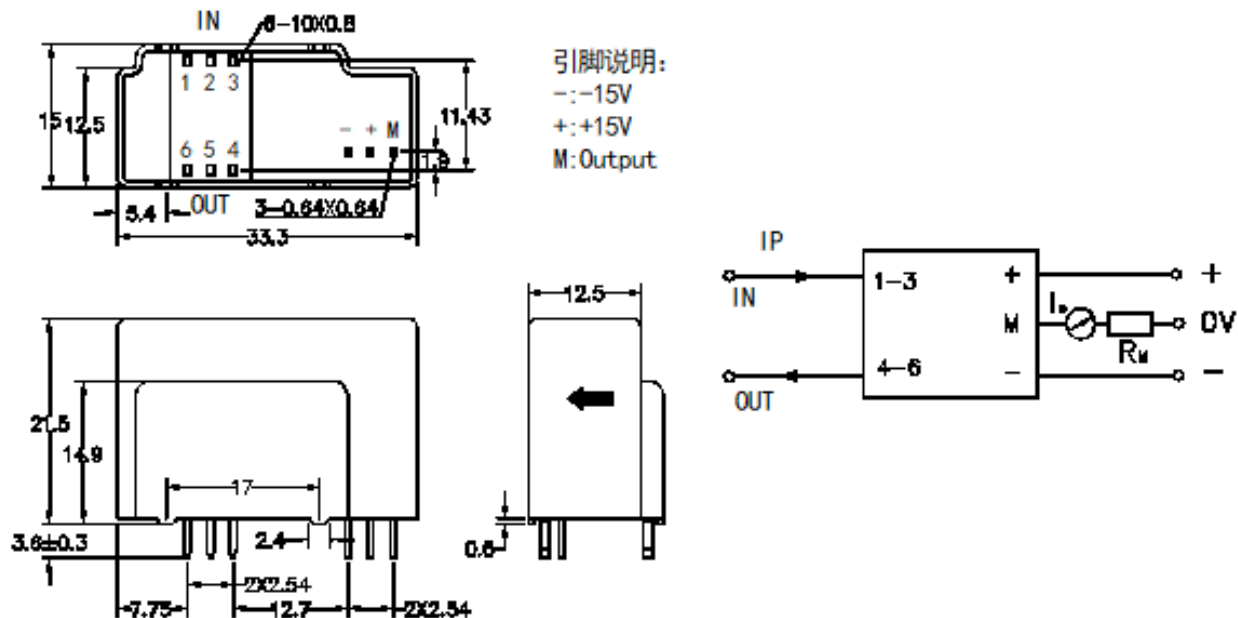
B1H 系列多量程闭环型霍尔电流传感器
B1H Series Multi-range Closed Loop Mode
Hall Effect Current Sensor

带宽 Bandwidth	DC~200	KHZ
次级线圈电阻 @70℃ Secondary coil resister	35	Ω

应用 Applications

- 交流变速驱动器
AC variable speed drives
- 直流电机驱动静态转换器
Static converters for DC motor drives
- 通讯电源
Battery supplied applications
- 不间断电源 UPS
Uninterruptible Power Supplies (UPS)
- 开关电源
Switched Mode Power Supplies (SMPS)
- 电焊机
Power supplies for welding applications

结构参数 Mechanical dimension(for reference only)

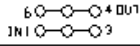
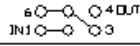


Remarks:

1. All dimensions are in mm.
2. General tolerance ± 1 mm.

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接线图 Pin connections

初级匝数	额定电流 I _{PN} (A)	输出电流 I _s (mA)	初级阻抗 [mΩ]	初级电感 [μH]	初级引脚连接
1	25	25	0.15	0.01	
2	12	24	0.75	0.05	
3	8	24	1.45	0.14	

使用说明 Directions for use

1. 当待测电流从传感器穿过，即可在输出端测得电流大小。(注意：错误的接线可能导致传感器损坏)

When the current will be measured goes through a sensor, the current will be measured at the output end.

(Note: The false wiring may result in the damage of the sensor)

2. 可按用户需求定制不同额定输入电流和输出电流的传感器。

Custom design in the different rated input current and the output current are available.

执行标准 Standards

- UL94-V0.
- EN60947-1:2004
- IEC60950-1:2001
- EN50178:1998
- SJ 20790-2000

总体参数 General date

	数值 Value	单位Unit
工作温度 (TA) Operating temperature	-40 to +85	℃
储存温度 (TS) Storage temperature	-40 to +125	℃
毛重(约) (M) Mass(approx)	15	g

特性图 Characteristics chart

脉冲电流信号响应特性

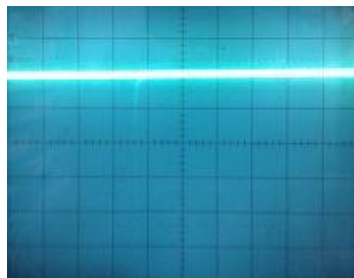
Pulse current signal response characteristic



输入信号
(Input signal)
输出信号
(Output signal)

抗脉冲电压干扰特性

Effects of impulse noise



输出电压
(Output voltage)