

FSM005A 系列霍尔电流传感器

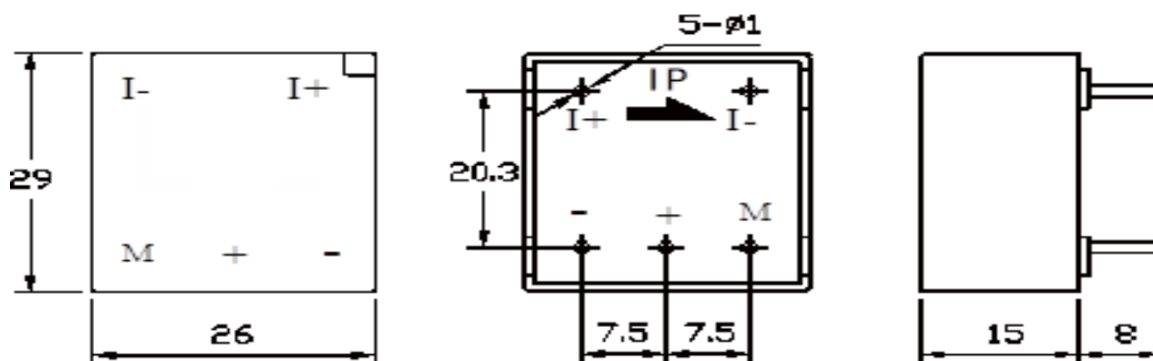


应用霍尔效应闭环原理的电流传感器，能在电隔离条件下测量直流、交流、脉冲以及各种不规则波形的电流。

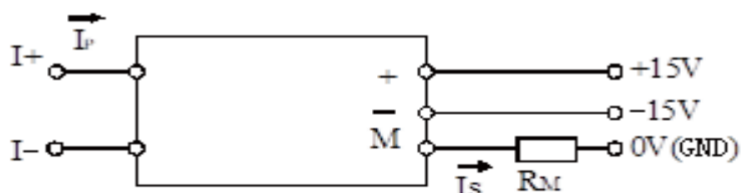
Closed loop current sensor based on the principle of Hall-effect It can be used for measuring AC,DC, pulsed and mixed current.

电参数/Electrical characteristics						
	型号 Type	FSM000. 5A	FSM002A	FSM003A	FSM005A	
I _{PN}	原边额定输入电流 Primary nominal input current	0. 5	2	3	5	A
I _P	原边电流测量范围 Measuring range of primary current	0 ~ ± 1	0 ~ ± 4	0 ~ ± 6	0 ~ ± 10	A
I _{SN}	副边额定输出电流 Rated output current of secondary side	25	25	25	25	mA
K _N	匝数比 Conversion ratio	25:1000	12:960	8:960	5:1000	
R _M	测量电阻 (V=±15V) Measuring resistance (V=±15V)	I _{PN} max 100~460		I _P max 100~205		Ω
V _C	电源电压 Supply voltage	±12~±15 (±5%)				V
I _C	电流消耗 Current consumption	V _C =±15V				

外形尺寸(mm)/Dimensions of drawing(mm)



外部接线图 /External connection diagram



使用说明/Remarks

1. 传感器错误的接线可能导致模块损坏。传感器通电后,当被测电流从传感器箭头方向穿过,即可在输出端测得同相电流值。
Incorrect sensor connections may cause module damage. After the sensor is powered on, when the measured current passes through the arrow direction of the sensor, the in-phase current value can be measured at the output end.
2. 可按用户需求定制不同额定输入电流和输出电压的传感器。
Sensors with different rated input current and output voltage can be customized according to user requirements.