(high power) and the secondary (electronic) circuits.

快速响应 Optimized response time

Applications

该磁平衡式霍尔电流传感器适用于对交流、直流和脉动电流的隔离精确测量,测量时一次侧与二次侧 之间完全绝缘。

For the electronic measurement of currents: AC, DC IMPL,,etc.,with galvanic isolation between the primary

产品优点 Advantages	产品应用 Applications	参照标准 Standards
高精度 Excellent accuracy	交流变频器 AC variable speed drives	EN50178
线性度好 Very good linearity	电池供电 Battery supplied applications	EN50155
低温漂 Low temperature drift	变流器/逆变器 converter /inverter	
寒類帯 Wide frequency handwidth	LIPS/SVG	

主要电气参数 Main electrical data		
额定測量电流 Ipn (A)	Primary nominal current rms	200
测量范围 Ip (A)	Primary current measuring range	0∼±300
匝比	Conversion ratio	1:2000
电源电压 V _C (V)	Supply voltage	+/-12V~+/-15V(+/-5%)
额定測量输出 IsN(mA)	Secondary nominal current rms	100mA
测量电阻 R _M (Ω)	Measuring resistance	

Ramin Ramax

@ $\pm 12V$, $\pm 200A$: $0\Omega \sim 50\Omega$ @ $\pm 12V$, $\pm 300A$: $0\Omega \sim 26\Omega$

@ $\pm 15V$, $\pm 200A$: $0\Omega \sim 73\Omega$

@ $\pm 15V$, $\pm 300A$: $0\Omega \sim 40\Omega$

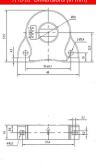
二次侧电流消耗 lc(@±15V)	Current consumption	≤20mA+ Secondary output current I _{SN}
隔离耐压	Isolation test: Between the primary	6 kVrms/50Hz/1min
	circuit to the secondary circuit	O KVIIIS/JOHZ/ IIIIII

	deligible on the decide.		
	精度 - 动态参数 Accuracy - Dynamic performance data		
基本误差δi		≤±0.5%	
(@I _{PN} , T _A =25°C)	Overall Accuracy	~20.5%	
线性度误差δL		<0.1%	
(@I _{PN} , T _A =25°C)	Linearity error	0.1%	
零点输出电流 Io		≤±0.2mA	

(@Ip=0, IA=25 C)	Offset current	
零点温漂 Ior	Thermal drift	≤ ±0.6mA (-25°C~+85°C)
响应时间 tr	Response time to 90% of IPN step	≤lus
di/dt 精确度	di/dt Accurately followed	>50A/us
频率带宽 BW	Frequency bandwidth(-1dB)	DC100kHz
		·
	一般教展 General data	

工作温度 Ta Ambient operating temperature -25℃+85℃ 館存温度 Ts Ambient storage temperature -40℃~+90℃ 重量 m Mass ≤100g

外形图 Dimensions (in mm)



电气连接 Connection



未注公差 General tolerance	±1 mm	1.	当響量电流方向与性態器上标示的 ■ 方向一致时, 性態器輸出 I _{SN} 为正。When measuring the current direction of arrow mark on direction and sensor, the sensor output ISN is positive.
传感器安装方式一(推荐) Transducer fastening (Recommended)	2hole ø4.2mm 2 M4 steel screws	2.	产品二次侧连接线优选屏蔽线,屏蔽层接近产品端连接线 可接机完,负电器域电器 OV。Product secondary side connecting line optimization shielding wire, cable shielding layer close to the product end can connect chassis, negative
传感器安装方式二(推荐) Transducer fastening (Recommended)	2 hole ø 5.4mm 2 M5 steel screws	3.	power or power 0 v. 电量传感器安装螺钉孔的垂直度要求,要求在国家标准 8 被成以上;或 0.66 以下),Power sensor mounting screw hole of the vertical degree requirements: requirements in the
推荐力矩 Recommended fastening torque	2.5 N • m	4.	national standard grade 8 or above (or below 0.06). 电量传感器安装新平面度要求: Sensor mounting surface flatness requirements: (a).大平面安装平面度国家标准 11 拨或以上〈成平面起伏
母排尺寸(推荐) Bus bar(Recommended)	Ø15mm		小于 0.25mm); Flaneness national standard installation grade 11 or above (or surface fluctuation is less than 0.25 mm); (b).安装而加有小圆凸台设计时平面度要求达国家标准 12
次边电气连接 Connection of secondary	Three core pressure coupling	5.	機成以上: 成平間起伏か于 0.5mm/), When mounting surface with a small round convex platform design flatness requirement of national standard grade 12 or more (or less than 0.5 mm) in plane ups and downs; 未注公池±1mm; Did not note the tolerance + / - 1 mm;