产品说明

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 之间空全绝缘。

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

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

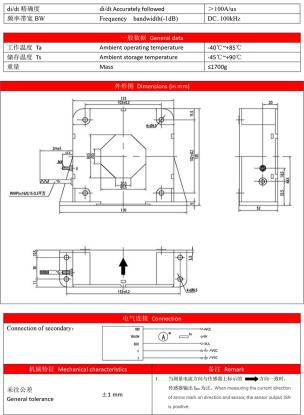
UPS/SVG

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	私服电机驱动 Servo motor drives	EN50155
低温漂 Low temperature drift	电池供电 Battery supplied applications	
宽频带 Wide frequency bandwidth	变流器/逆变器 converter /inverter	

主要电气参数 Main electrical data 额定測量电流 Ipn (A) Primary nominal current rms 2000 測量范围 lo(A) Primary current measuring range 0~±3700 匝比 Conversion ratio 1:5000 电源电压 Vc (V) Supply voltage DC±(15~24)×(1±10%)V 额定测量输出 IsN(mA) Secondary nominal current rms 400mA

二次侧电流消耗 lc(@±24V)	Current consumption	≤35mA+ Secondary output current I _{SN}
隔离耐压	Isolation test: Between the primary	12kVrms/50Hz/1min
	circuit to the secondary circuit	12k viiiis/ Joriz/ riiiili

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精度 - 动态参数 Accuracy - Dynamic performance data				
基本误差δi		≤±0.4%		
(@I _{PN} , T _A =25℃)	Overall Accuracy	₹10.476		
线性度误差δL		<0.1%		
(@I _{PN} , T _A =25℃)	Linearity error	0.1%		
零点输出电流 Io		≤±0.5mA		
(@I _P =0, T _A =25°C)	Offset current	≥±0.5mA		
零点温漂 Ior	Thermal drift	≤±0.8mA (-50°C~+85°C)		
响应时间 t _r	Response time to 90% of I _{PN} step	≤lus		



传感器安装方式一(推荐) Transducer fastening (Recommended)	4 hole Ø6.5mm 4 M6 steel screws	2.	产品二次概连接线优选屏蔽线、屏蔽层接近产品端连接线 可接机完,负电源或电源 OV。Product secondary side connecting line optimization shielding wire, cable shielding layer close to the product end can connect chassis, negative	
推荐力矩 Recommended fastening torque 4.5 N * m		3.	power or power 0 v. 电量传感器设装维钉孔的垂直度要求,要求在国家标准 8 级波以上(域 0.06 以下). Power sensor mounting screw hole of the vertical degree requirements: requirements in the national standard grade 8 or above (or below 0.06).	
母排尺寸(推荐) Bus bar(Recommended)	ø60.5mm		teaturiers sententing gines or acover (or better United). ・ 电最快多数度平面度要表。Sensor mounting surface flatness requirements: (a)大平面安装平面度国家标准 11 級成以上(域平面起伏 小于 0.25mm), Planeness national standard installation orade 11 or above (or surface fluctuation is less than 0.25	
次边电气连接 Connection of secondary	(RVVP3× 16/0.15)	5.	year 1 to above (or souther not clean or a least not 1.25 mm); (b) 交装面加有小器凸台设计时平面皮变来这间家标准 12 缓波以上 (或平面起伏小于 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; 未注公差±1mm; Did not note the tolerance + / - 1 mm;	