di/dt 精确度

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 之间宗全绝缘。

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

(high power) and the secondary (electronic) circuits

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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				
快速响应 Optimized response time	UPS/SVG				

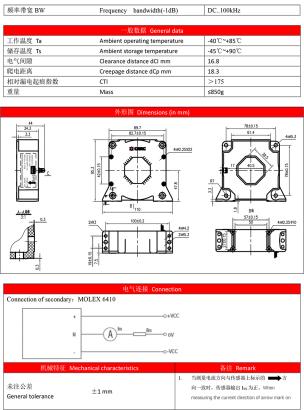
主要电气参数 Main electrical data				
额定測量电流 Ipn (A)	Primary nominal current rms	1000		
测量范围 Ip(A)	Primary current measuring range	0~±2100		
匝比	Conversion ratio	1:5000		
电源电压 V _c (V)	Supply voltage	DC±(15~24)×(1±5%)V		
额定測量输出 I _{SN} (mA)	Secondary nominal current rms	200mA		
测量电阻 R _M (Ω)	Measuring resistance			
	70°C	8570		

測量电阻 R _M (Ω)	Measuring resistance	
	70°C	85°C
@±15V,	± 1000A: 0 Ω ~23 Ω	0 Ω~19 Ω
@±15V,	±1300A: 0 Ω~7 Ω	
@±24V,	±1000A: 0 Ω~63 Ω	10 Ω ~61 Ω
@±24V,	±2100A: 0 Ω ~6 Ω	
二次侧电流消耗 lc(@±24V)	Current consumption	≤35mA+ Secondary output current I _{5N}
隔离耐压	Isolation test: Between the primary	

circuit to the secondary circuit 3.88 VIIIS/2012/11IIII					
精度 - 动态参数 Accuracy - Dynamic performance data					
基本误差δi		≤+0.4%			
(@I _{PN} , T _A =25℃)	Overall Accuracy	≈±0.4%			
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		≤±0.4mA			
(@I _P =0, T _A =25°C)	Offset current	≈±0.4mA			
零点温漂 Ior	Thermal drift	≤ ±0.8mA (-40℃~+85℃)			
响应时间 t.	Response time to 90% of Invest	en ≤lus			

di/dt Accurately followed

>100A/us



传感器安装方式一(推荐) Transducer fastening (Recommended)	4 hole and 4 notch Ø5.3mm 4 M5 steel screws	2.	direction and sensor, the sensor output ISN is positive. 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, 负电源波电源 OV。 Product secondary side connecting line
传感器安装方式二(推荐) Transducer fastening (Recommended)	2 hole and 2 notches Ø 5.3mm 2 M5 steel screws	3.	optimization shielding wire, cable shielding layer close to the product end can connect chassis, negative power or power 0 v. 电弧传感器交换器钉孔的垂直皮架束,要来在国家标准多级成以上(级 0.06 以下)。Power sensor mounting screw hole of the vertical
推荐力矩 Recommended fastening torque	3.5 N • m	4.	degree requirements: requirements in the national standard grade 8 or above (or below 0.06). 电量快感器安装简平面度要求, Sensor mounting surface flatness requirements: (a).火牛面安装干面度周紧紧闭 11 级成以上(或
母排尺寸(推荐) Bus bar(Recommended)	40.5×13mm		平面起伏小于 0.25mm); Planeness national standard installation grade 11 or above (or surface fluctuation is less than 0.25 mm); (b) 突被而加有小圆凸台设计时平面度变求达圆涂标准 12 级规以上(级平面起伏小于 0.5mm); When mounting surface with a small
次边电气连接 Connection of secondary	Molex 6410	5.	round convex platform design flatness requirement of national standard grade 12 or more (or less than 0.5 mm) in plane ups and downs; 未注於第士mm: Did not note the tolerance + $/$ - 1 mm;