200mA

≤35mA+ Secondary output current IsM

>100A/us

产品说明

宽频带 Wide frequency bandwidth

额定测量输出 Isu(mA)

二次侧电流消耗 lc(@±24V)

di/dt 精确度

Applications

该磁平衡式需尔由流传减器活用于对交流, 直流和脉动由流的隔离结确测量, 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

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

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 low (A) Primary nominal current rms 1000

測量范围 Ip(A) Primary current measuring range 0~±2100 而比 Conversion ratio 1:5000 电源电压 Vc (V) Supply voltage DC±(15~24)×(1±5%)V

測量电阻 R_M(Ω) Measuring resistance 85℃ 70°C

@+15V. +1000A: $0 Ω \sim 23 Ω$ $0 Ω \sim 19 Ω$ @±15V, ±1300A: 0Ω~7Ω @±24V, ±1000A; 0Ω~63Ω 10Ω~61Ω

Secondary nominal current rms

@ +24V. +2100A: 0 Ω ~6 Ω Current consumption

田宮瀬田 Isolation test: Between the primary 3 8kVrms/50Hz/1min circuit to the secondary circuit

精度 - 动态参数 Accuracy - Dynamic performance data 基本误差δi ≤±0.4% (@IpN, Ta=25°C) Overall Accuracy 线性度误差 δ1 < 0.1% (@IpN, Ta=25°C) Linearity error 零占输出电流 Io ≤±0.4mA

(@I_P=0, T_A=25°C) Offset current 零占温漂 Ior Thermal drift ≤±0.8mA (-40°C~+85°C) Response time to 90% of IPN step 响应时间t ≤lus

di/dt Accurately followed

一般数据 General data				
工作温度 Ta	Ambient operating temperature	-40°C~+85°C		
储存温度 Ts	Ambient storage temperature	-45°C~+90°C		
相对漏电起痕指数	СТІ	>175		

Frequency bandwidth(-1dB)

Mass

4-0225深10

DC..100kHz

≤850g

频率带宽 BW

重量

外形図 Dimensions (in mm) (c) (27-26) 5 (27-26) 5 (28-27-26) 5 (29-2



		1.	当测量电流方向与传感器上标示的 ■ 方向一致
未注公差	1.4		时,传感器输出 I _{SN} 为正。When measuring the current
General tolerance	±1 mm		direction of arrow mark on direction and sensor, the
			sensor output ISN is positive.
		2.	产品二次侧连接线优选屏蔽线,屏蔽层接近产品端连
传感器安装方式一(推荐)	4 hole and 4 notch		接线可接机壳, 负电源或电源 OV。Product secondary
Transducer fastening	ø5.3mm		side connecting line optimization shielding wire, cable
(Recommended)	4 M5 steel screws		
(neconinenaed)	stee. serews		shielding layer close to the product end can connect
(4 cg cg ch 2+ -) - (4) 25)	2 hole and 2 notches		chassis, negative power or power 0 v.
传感器安装方式二(推荐)		3.	电量传感器安装螺钉孔的垂直度要求: 要求在国家标
Transducer fastening	ø 5.3mm		推 8 级或以上 (或 0.06 以下)。Power sensor mounting
(Recommended)	2 M5 steel screws		screw hole of the vertical degree requirements:
		-	requirements in the national standard grade 8 or above
l			(or below 0.06).
推荐力矩	3.5 N • m	4.	电量传感器安装面平面度要求; Sensor mounting
Recommended fastening torque			surface flatness requirements:
			(a).大平面安装平面度国家标准 11 级或以上(或平面
			起伏小于 0.25mm): Planeness national standard
母排尺寸(推荐)	40.5×13mm		
Bus bar (Recommended)			installation grade 11 or above (or surface fluctuation is
and the continuous			less than 0.25 mm);
		1	(b).安装面加有小圆凸台设计时平面度要求达国家标
	3 ×M4 screw		准 12 级或以上(或平面起伏小于 0.5mm); When
			mounting surface with a small round convex platform
次边电气连接			design flatness requirement of national standard grade
Connection of secondary			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;
		5.	承社文を主 1mm; Did not note the tolerance + / - 1 mm;