

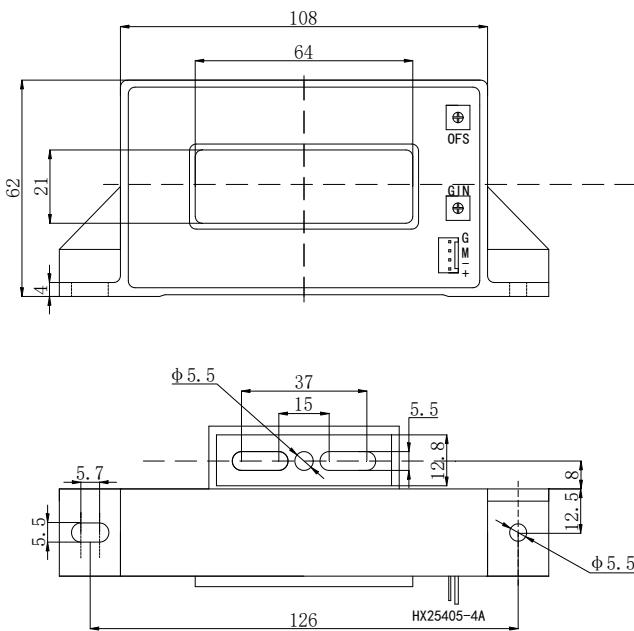


WCS17A

$I_p=500\ldots2500A$



机械尺寸 Mechanical dimension



产品特点 Products Features

安装方便
Easy mounting
体积小，节省空间
Small size and space saving
无插入损耗
No insertion losses
抗干扰能力强
High immunity to external interference

应用领域 Applications

直流电机驱动静态转换器
Static converters for DC motor drives
通讯电源
Battery supplied applications
不间断电源 (UPS)
Uninterruptible Power Supplies
开关电源 (SMPS)
SWITCHED Mode Power Supplies
电焊机
Power supplies for welding applications

机械特性 Mechanical characteristics

一般公差
General tolerance
± 0.5 mm

其它公差执行
Other tolerance execution
GB/T 1804-2000-M

固定孔尺寸
Fixing hole size
Φ 4.5mm

紧固螺丝
Fastening steel screw
M4

建议紧固扭矩
Recommended fastening torque
1.5Nm (± 10 %)

连接器
Connection of secondary
HX25405-4A

注意 Remarks

错误的接线可能导致传感器损坏。

The false wiring may result in the damage of the sensor.

I_p 方向与产品箭头方向一致时，输出电压为正极。

V_{OUT} is positive when I_P flows in the direction of the arrow.

当初级导体完全充满初级孔径时动态表现 (di/dt 和响应时间) 为最佳效果。

Dynamic performances (di/dt and response time) are best with a single bar completely filling the primary hole.

初级导体的温度不应超过100°C。

Temperature of the primary conductor should not exceed 100° C.

电气参数 Electrical data	WCS17A-xxxxA				
	WCS17A-500A	WCS17A-1000A	WCS17A-1500A	WCS17A-2000A	WCS17A-2500A
额定测量电流 I_P Rated input	500A	1000A	1500A	2000A	2500A
测量范围 I_{PM} Measure range	1500A	3000A	3000A	3000A	3000A
额定输出电压 V_{OUT} Rated output voltage			±4V		
零点电压 V_{OFF} Offset voltage			±20mV		
零点失调电压温漂 V_{OUT} Offset voltage drift			±0.5mV/°C		
幅度电压温度漂移 V_{OUT} Amplitude voltage temperature drift			≤0.1%/°C		
电源电压 V_C Supply voltage			±12VDC~±15VDC (± 5%)		
负载电阻 R_M Load resistance			≥10KΩ		
线性度 ϵ_L Linearity			≤1%FS		
总体精度 X Overall accuracy			±1%FS		
静态电流消耗 I_C Current consumption			≤20mA		
响应时间 T_R Response time			<7us		
频带宽度 BW Frequency bandwidth-3db			DC~25KHz		
di/dt 跟随精度 di/dt accurately followed			>50A/us		
绝缘耐压 V_D Galvanic isolation			50Hz, 1min, 5KV		
工作环境温度 T_A Ambient operating temperature			-25~+105°C		
储存环境温度 T_S Ambient storage temperature			-25~+105°C		
质量 m Mass			≈400g		
执行标准 Standards			JB/T 7490-2007		

定制Customized

这是一个标准的产品，需要其他规格（测量电流、电源电压、输出电压、连接器、转换比率等）请联系我们。
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This is a standard model. For different versions (IP, supply voltages, output voltages connection of secondary turns ratio, etc.) please contact us.

联系方式Contact information

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