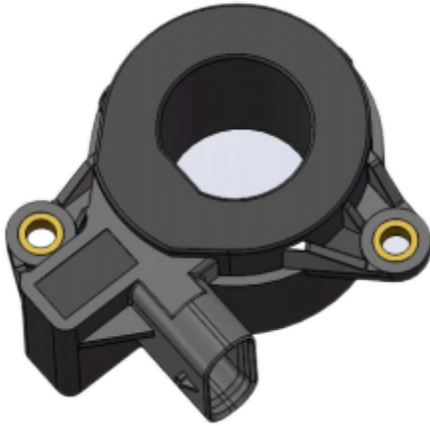




WCSH29

通道1 $I_p=25\sim 100A$

通道2 $I_p=300\sim 900A$



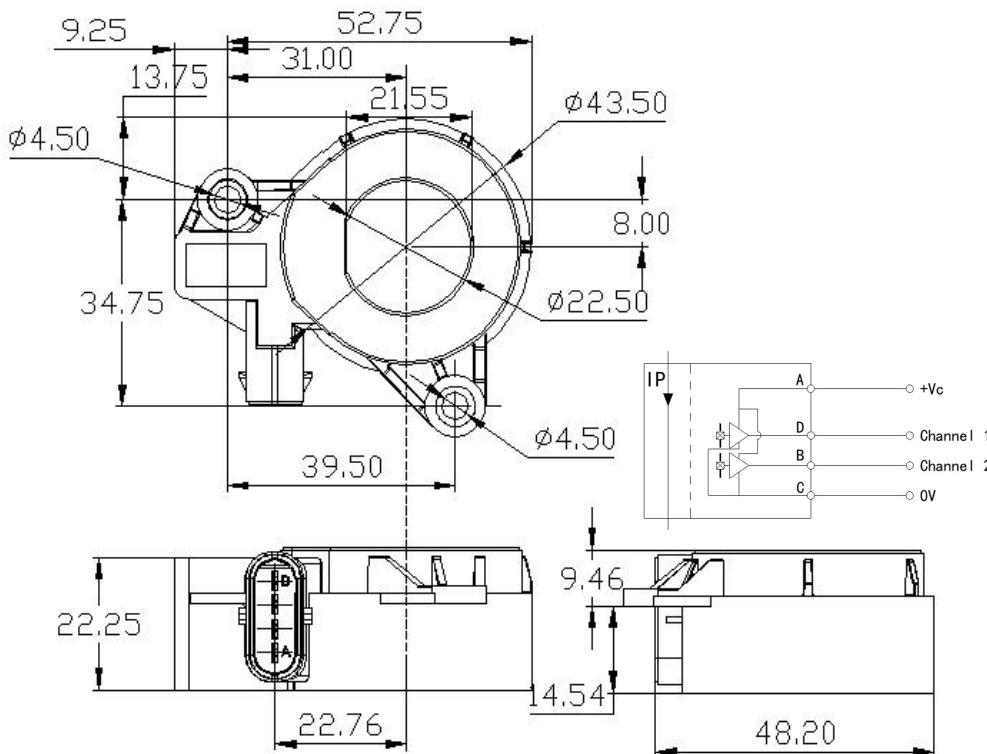
产品特点 Products Features

- 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

机械尺寸 Mechanical dimension



机械特性

Mechanical characteristics

一般公差
General tolerance
 $\pm 0.5 \text{ mm}$

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

固定孔尺寸
Fixing hole size
 $\phi 4.5\text{mm}(\times 4)$

紧固螺丝
Fastening steel screw
M4

建议紧固扭矩
Recommended fastening torque
2Nm ($\pm 10\%$)

连接器
Connection of secondary
TYCO 1-1456426-5

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 WCSH29除非另有说明，否则环境参数均为@ $T_A = 25^{\circ}\text{C}$, $R_L = 10\text{ k}\Omega$

型号		WCSH29				
Type		S/133	S/118	S/46	S/125	S/124
额定测量电流	通道1	$\pm 75\text{A}$	$\pm 30\text{A}$	$\pm 40\text{A}$	$\pm 25\text{A}$	$\pm 75\text{A}$
IP Rated input	通道2	$\pm 750\text{A}$	$\pm 350\text{A}$	$\pm 400\text{A}$	$\pm 200\text{A}$	$\pm 500\text{A}$
测量范围 IPM	通道1	$\pm 85\text{A}$	$\pm 33\text{A}$	$\pm 44\text{A}$	$\pm 27\text{A}$	$\pm 85\text{A}$
Measure range	通道2	$\pm 850\text{A}$	$\pm 385\text{A}$	$\pm 440\text{A}$	$\pm 220\text{A}$	$\pm 550\text{A}$
额定输出电压 V_{OUT}	通道1	$(2.5 \pm 2.0) * (V_c/5)\text{V}$				
Rated output voltage	通道2	$(2.5 \pm 2.0) * (V_c/5)\text{V}$				
零点失调电压 V_0		$\leq \pm 10\text{mV}$				
Offset voltage		$\leq \pm 10\text{mV}$				
电源电压 V_C		$+5\text{VDC} (\pm 5\%)$				
Supply voltage		$+5\text{VDC} (\pm 5\%)$				
负载电阻 R_M		$\geq 10\text{K}\Omega$				
Load resistance		$\geq 10\text{K}\Omega$				
线性度 ε_L		$\leq 0.3\%FS$				
Linearity		$\leq 0.3\%FS$				
总体精度 X		$\pm 0.6\%FS$				
Overall accuracy		$\pm 0.6\%FS$				
零点失调电压温漂 V_{OUT}		$\pm 0.05\text{mV}/^{\circ}\text{C}$				
Offset voltage drift		$\pm 0.05\text{mV}/^{\circ}\text{C}$				
幅度电压温度漂移 V_{OUT}		$\leq 0.02\%/^{\circ}\text{C}$				
Amplitude voltage temperature drift		$\leq 0.02\%/^{\circ}\text{C}$				
静态电流消耗 I_C		$\leq 40\text{mA}$				
Current consumption		$\leq 40\text{mA}$				
响应时间 T_R		$< 7\mu\text{s}$				
Response time		$< 7\mu\text{s}$				
频带宽度 BW		$\text{DC} \sim 50\text{KHz}$				
Frequency bandwidth-3db		$\text{DC} \sim 50\text{KHz}$				
di/dt 跟随精度		$> 50\text{A}/\mu\text{s}$				
di/dt accurately followed		$> 50\text{A}/\mu\text{s}$				
绝缘耐压 V_D		$50\text{Hz}, 1\text{min}, 3.6\text{KV}$				
Galvanic isolation		$50\text{Hz}, 1\text{min}, 3.6\text{KV}$				
工作环境温度 T_A		$-40 \sim +125^{\circ}\text{C}$				
Ambient operating temperature		$-40 \sim +125^{\circ}\text{C}$				
储存环境温度 T_S		$-40 \sim +125^{\circ}\text{C}$				
Ambient storage temperature		$-40 \sim +125^{\circ}\text{C}$				
质量 m		$\approx 100\text{g}$				
Mass		$\approx 100\text{g}$				
执行标准		$\text{JB/T } 7490-2007$				
Standards		$\text{JB/T } 7490-2007$				

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。

This is a standard model. For different versions (IP, supply voltages, output voltages, connection of secondary, turns ratios...), please contact us.

联系方式Contact information

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