

HKA—SPVT系列霍尔电流传感器

(HKA-SPVT Hall-effect Current Sensor Series)

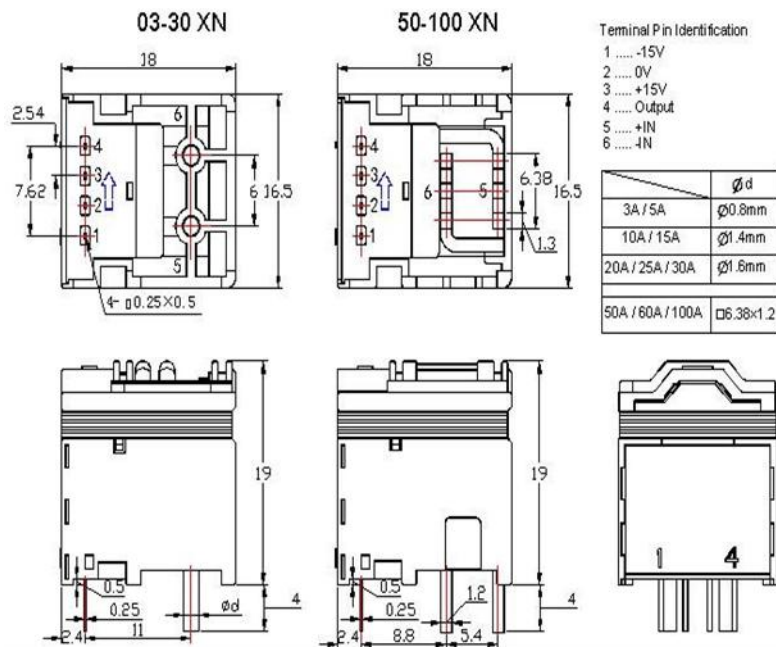
HKA-SPVT 系列霍尔电流传感器的初、次级之间是绝缘的，可用于测量直流、交流和脉冲电流。

(HKA-SPVT Series Hall-effect Current Sensor between primary and secondary is insulated, can be used for the measurement of DC, AC and pulse current)

电气参数 (Electrical characteristics)							
	型号 Type	HKA5- SPVT	HKA10- SPVT	HKA30- SPVT	HKA50- SPVT	HKA60- SPVT	
I _{pn}	额定输入电流 Rated input	5	10	30	50	60	A
I _{pm}	测量电流范围 Measuring range	12.5	25	75	125	150	A
V _{out}	输出电压 Rated output voltage	4					V
	输入管脚尺寸 Input pin size	Φ 0.8	Φ 1.4	Φ 1.6	1.2× 6.38	1.2× 6.38	
V _o	零电压失调 Zero offset voltage	<40					mV
V _c	电源电压 Supply voltage	±15±5%					V
I _c	静态功耗 Current consumption	≤25					mA
I _{ot}	零点温漂 Thermal drift of I _o	≤1					mV/°C
F	带宽 Frequency bandwidth(-3dB)	DC~100					KHz
ε _G	精度 Accuracy	±1					%
ε _L	线性度 Linearity	±1					%
di/dt	跟随精度 Accurately followed	>50					A/μS
Tr	响应时间 Response time	≤5					μS
V _d	绝缘电压 Insulation voltage	2.5					KV
T _a	工作温度 Ambient operating temperature	-40~+85					°C
T _s	储存温度 Ambient storage temperature	-40~+125					°C

M	重量 mass	15	g
	标准 Standards	EN50178\IEC61010-1\UL94-Vo\ROHS	

机械参数 Dimensions (mm)



HKA50-SPVT 和 HKA60-SPVT 的机械参数图右图，其余为左图

功 能 管 脚：4 个（1234），尺寸为 0.25*0.5mm

使用说明 Remarks

- 1、应用：通讯电源、不间断电源UPS、斩波器、电化学、整流、电源监测、电焊机、变频、开关电源、电池监测、电动机监测等领域。Application: communication power supply, uninterruptible power supply UPS chopper, electrochemical, rectifier, power monitoring, welding machines, inverter, switching power supply, battery monitoring, motor monitoring fields.
- 2、传感器的输出幅度可根据用户需要进行适当调节。The amplitude of the output of the sensor can be appropriately adjusted according to user needs.
- 3、可按用户需求定制不同额定输入电流和输出电压的传感器。Custom different rated input current and the output voltage of the sensor.