HQ5B系列Series

条形光电传感器/背景抑制型 Strip photoelectric sensor/background suppression type

产品特性 Product characteristics

- ·BGS功能的完美应用,产品可以不受目标颜色以及背景颜色的干扰,精准检测物体。
- ·条形光光电传感器用于检测镂空电路板或不规则物体,皆可稳定检测。
- ·具有抗干扰性能,采用自动防干扰设计,可以有效的抗同频干扰,独立输出,互不干扰,

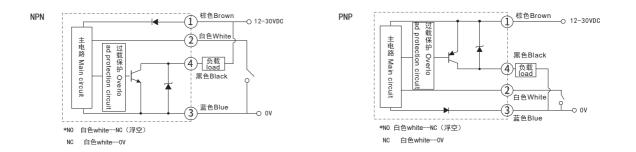
也能有效的抗光干扰。

- ·安装尺寸较小,提高了产品的安装可能性。
- The perfect application of BGS function allows products to accurately detect objects without interference from target colors and background colors.
- · The strip photoelectric sensor is used to detect hollow circuit boards or irregular objects, and can stably detect them.
- · It has anti-interference performance and adopts automatic anti-interference design, which caneffectively resist same frequency interference, indepen

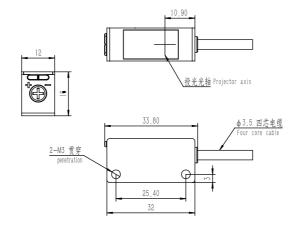
-dent output, and no interference with each other, It can also effectively resist light interference.

The smaller installation size increases the possibility of product installation.

输入/输出电路图 Input/output circuit diagram



安装尺寸图及光斑示意图 Installation dimension diagram and light spot diagram







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BAOLSEN

Optical fiber sensor

电感式接近开关

位移传感器

压力传感器

Magnetic switch

ΒΔΟLSEN

额定值/性能

Cptical fiber sensor		佥测方式 Detection m	ethod	条形光电传感器,背景抑制功能 Strip photoelectric sensor with background suppression function
	西		输出 I output	HQ5B-D30NL60
	Ţ	ype PNP	输出 ' output	HQ5B-D30PL60
7		 检测距离 Detection distance		300mm (光斑60mmx5mm) 300mm (spot 60mmx5mm)
电感式接近开关 Inductive proximity switch	板	标准检测物		不受物体背景颜色影响
	尼	Standard detector 应差		Not affected by object background color 自画纸10cmX10cm设定距离300mm,黑画纸10cmX10cm设定距离270mm
		Exigency 光源(波长)		White paper 10cmX10cm set distance 300mm, black paper 10cmX10cm set distance 270mm 红色发光二极管Red LED(650nm)
		Light source 电源电压		
	Р	Power supply		DC12-30V±10%
电容式接近开关 Capacitive proximity switch		消耗电流 Current consumption		DC: 10mA max
		控制输出 Control output		荷电源电压DC26. 4以下、负荷电源电流100mA以下(残留电压1V以下) Load supply voltage is below DC26.4V, load supply current is below 100mA (residual voltage is below 1V)
		保护电路 Circuit protection		电源逆接/输出短路、防止相互干扰 Reverse connection protection/output short circuit, mutual interference prevention function
		响应时间 Response time		动作/回复各1. 0ms以下 Action/reply is less than 1.0ms respectively
超声波传感器 Ultrasonic sensor		灵敏度调 ⁼ Sensitivity	节 modulation	多圈调节(可调范围360°) Multiturn adjustment (adjustable range 360 °)
		环境照明 Ambient illumination		白炽灯3000xⅠ以下/日光10000xⅠ以下 Incandescent lamp below 3000xI/daylight below 10000xI
		环境温度 Ambient temperature		使用时:-25°C [~] +55°C 保存时:-40°C [~] +70°C,不结冰 Work:-25°C [~] +55°C store:-40°C [~] +70°C,iced forbidden
		环境湿度 Ambient humidity		使用时: 35% [~] 85%RH 保存时: 35% [~] 95%RH, 不结露 Work:35% [~] 85%RH store:35% [~] 95RH, dewde forbidden
Grating		绝缘电阻 Insulation resistance 介电强度 Dielectric strength 耐振动 Anti-vibration 耐冲击 Anti-impact		20MΩ以上(DC500V摇表)充电部整体与外壳间 >20MΩ(DC500Vmegger)Between the whole charging part and the shell
				AC1000V以上在50/60Hz时,在电流承载部件和外壳间达1分钟 When AC1000V is above 50/60HZ, it will last for 1 minute between the current carrying parts and the housing
	而			10 [~] 55Hz,1.5mm双幅,在X、Y、Z方向达到1h 10 [~] 55Hz,1.5mm double amplitude, 1h in X,Y,Z direction
	而			500m/s²双幅,在X,Y,Z方向上各3次 500m/s²Double amplitude, 3 times in X,Y and Z directions respectively
位移传感器 Displacement sensor	4	· 输出方式 Output mode		L-ON/D-ON (接线时可选择) L-ON/D-ON (poptional during wiring)
	ì	 连接方式 Connection		导线引出型(标准线长: 2m) Conductor leading out type (standard wire length: 2m)
		指示灯 Indicator I	iaht	稳定指示灯:绿色LED 输出指示灯:橙色LED Stable indicator: green LED Qutput indicator; orange LED
	ß	防护等级 Protection d	-	IP65
压力传感器 Pressure sensor	木	才料	外壳	PC(聚碳酸酯)
		laterial Science	Housing 镜头 Camera lens	РММА