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服务热线：400-882-0577

温州市光洋工业自动化有限公司

Wenzhou Guangyang Industrial Automation CO. , LTD.

地址：浙江省乐清市柳市镇东风工业区凌云路20号6楼

邮编：325604

电话：86-0577-27868888

传真：86-0577-27867788

邮箱：chgoyo@126.com

Add: NO.20, Lingyun Road, Dongfeng Industrial Zone, Liu
shi town, Yueqing City, Zhejiang Province, China 325604

Tel: 86-577-27868888

Fax: 86-577-27867788

E-mail: chgoyo@126.com

凝聚智慧
Condensed wisdom
感知未来
Perception of the future

GOYO

传感器概览
PRODUCT M&A FW



温州市光洋工业自动化有限公司
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温州市光洋工业自动化有限公司

温州市光洋工业自动化有限公司是国内领先的专业制造传感器企业。光洋经过多年的努力，已成功研发出工业测控传感器。主要包括电感式、电容式、有源非接触、光电式传感器，光纤放大器、安全光幕、智能色标、合金膜、增强近摄、测速、齿轮传感器等产品共有三十多个系列，3000余种规格型号，产品已通过ISO9001质量管理体系认证，CE认证。随着光洋传感器在新技术、新材料的应用，各项产品技术性能居行业领先地位，其中多个系列产品达到国际先进水平。产品广泛应用于各行业，包括包装，食品饮料加工，数控，橡胶，汽车，物流，交通，机场，造船，钢铁，能源，纺织，轻纺机械等行业。

作为一家具有多年生产管理经验的传感器制造商，光洋每一种规格的产品均在设计阶段即严格测试其性能、品质、可靠性及制造可能性，而且在生产过程中严格执行ISO9001质量管理体系，以确保成品的最高品质。光洋始终坚持人才和产品并重的原则，吸纳了具有丰富经验的工程技术人员和专业管理人才。严管理、高技术、先进的生产设备及完善的检测手段，生产高品质的产品，提供优质的售后服务。我们将秉承发展企业文化，以及“顾客满意就是我们生产的动力来源”的质量方针，秉着“诚信、互惠”的经营理念。她始终坚持质量第一、价格合理、及时交货、服务周到的原则。积极为客户的需求而全身心工作，努力使客户的要求得到完全的重视和满足。我们将以最有竞争力价格和最高的售后服务重向工控自动化领域的各界朋友。

服务客户需求，促进科学进步，有改善才有进步，有品质才有明天，这是我们追求的永恒目标。

Wenzhou GuangYang Industrial automation Co.,LTD

Wenzhou GuangYang Industrial automation Co.,LTD which is a leading professional manufacturing sensor. After years of efforts, we have successfully developed industrial measurement and control sensor. Mainly includes inductive, capacitive, background inhibited, photoelectric sensor, optical fiber amplifier, safety light curtain, intelligent color mark sensor, full metal type, enhance distances type, speed sensors and gear tooth sensor etc, a total of more than 30 series and more than 3000 types. All of our products have passed ISO9001 quality management system certification, CE certification. GuangYang sensor application of new technology and new material, the product technical performance in the industry leading position, in which multiple series of products reached the international advanced level. Our products are widely used in various industries, including packaging, food and beverage processing, CNC, rubber, automotive, logistics, transportation, airport, shipbuilding, steel, power, textile, tobacco machinery and other industries.

As a professional sensor manufacturer, we have many years of experience in production management. We strictly test each products' performance, quality, reliability and manufacturing possibility in design stage and strictly enforce the ISO9001 quality management system in the process of production, to ensure the highest quality of finished products. GuangYang always adhere to the principle of equal emphasis on talent and products, absorbed technician & engineer who with rich experience and professional management personnel. Strict management, high technology, advanced production equipment and perfect detection means, producing high quality products, to provide quality after-sales service. We will be adhering to the development of the enterprise culture, and the quality policy "customer satisfaction is our production power source", adhered to the "integrity, win-win" business philosophy. Always adhere to quality first, reasonable price, timely delivery, the principle of service. Work actively for customer's needs, strive to make the best and satisfy of customers' requirements. We will provide the most competitive price and considerate after-sales service for our customer.

Service customer demand, promote the scientific progress, have improve to make progress, have the quality to have tomorrow, this is our eternal pursuit of goals.



GOYO SENSOR



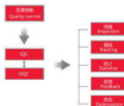
光洋汇集国际业内顶尖精英，掌握核心技术，专注于工业自动化产品领域。在导入全球领先的管理理念和制度的同时，集合设计、开发、研制、生产等配套流程，打造一体化经营格局，最终成为国际工业自动化产品制造领域的领袖。光洋拥有一批国际领先的自动化制造设备，保证产品具有国际技术水平和可靠质量。光洋以严谨的品质管理与控制流程，确保每一件产品“零缺陷”。

With excellent talents, core technology, GOYO always concentrates in industrial automation field. By introducing global leading management philosophy and systems, congregating design, development, research and production, it is aim of GOYO that finally to be a leading manufacturer in global industrial automation field. Our series international leading automation manufacturing equipments ensure international technical level and reliable quality, our strict quality management and control process guarantees "zero defect" products.

全面质量管理
Total Quality Management



完整IQC/OQC检验流程
Complete IQC, OQC testing process



04 电感式传感器 Inductive sensors

06	标准功能系列	Standard function
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13	增强远距离系列	Extended sensing distance
15	模拟量输出系列	Analog output
16	温度扩展系列	Extended temperature
17	耐高压系列	High pressure resistant
18	全金属封装系列	Full metal housing
18	转速监控系列	Rotation speed monitor
19	强磁免疫系列	Welding-immune
19	自诊断系列	Self-diagnosed
20	无衰减系列	Zero decrement
21	宽电压系列	Wide voltage

22 电容式传感器 Capacitive sensors

23	标准功能系列	Standard function
24	增强远距离系列	Extended sensing distance
24	管道液位系列	Pipe liquid level detecting

25 光电式传感器 Photoelectric sensors

27	漫反射系列	Diffuse reflection
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34	色标传感器	Color mark sensors
39	光纤传感器	Optical fiber sensors
40	区域光幕传感器	Area sensors
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45 传感器附件

Sensor accessories

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Wiring diagram

标准功能系列 Standard function



外壳代号 Shell code	GIQ04S	GI05	GIQ6.5S	GI08	GI12	
尺寸规格 (mm) Specifications (mm)	Ø4*30	M5*0.5*30	Ø6.5*40	M8*1*40	M12*1*40, M12*1*50	
安装方式 Mounting	● 埋入 ● Flashed	● 埋入 ● Flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	
检测距离 Sensing distance	0.8mm	0.8mm	1.5mm, 2mm	1.5mm, 2mm	2mm, 4mm	
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	
	DC 4线 DC 4 Wires	/	/	/	NPN NO+NC PNP NO+NC	
	DC 2线 DC 2 Wires	/	/	NO NC	NO NC	
	AC 2线 AC 2 Wires	/	/	/	/	NO NC
	AC/DC 2线 AC/DC 2 Wires	/	/	/	/	NO NC
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 25...250 VAC 20...250 VAC/DC	
开关频率 Frequency	2500Hz	2500Hz	1500Hz, 2000Hz	1500Hz, 2000Hz	DC1/4: 1000Hz, 1500Hz DC2: 500Hz, 800Hz AC2: 20Hz	
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67	
外壳材料 Housing material	不锈钢 Stainless steel	镍铜合金 Nickel-copper Alloy	不锈钢 Stainless steel	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	
连接方式 Connection	成型电缆, M8 连接器 Cable; M8 Connector	成型电缆, M8 连接器 Cable; M8 Connector	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆 Cable	
产品认证 Certification	CE	CE	CE	CE	CE	

标准功能系列 Standard function



外壳代号 Shell code	G218	G230	G112	G118	G130
尺寸规格 (mm) Specifications (mm)	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50	M12*1*40, M12*1*50	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50
安装方式 Mounting	● 埋入, ● 非埋 ● Flashed, ● Non Flashed	● 埋入, ● 非埋 ● Flashed, ● Non Flashed	● 埋入, ● 非埋 ● Flashed, ● Non Flashed	● 埋入, ● 非埋 ● Flashed, ● Non Flashed	● 埋入, ● 非埋 ● Flashed, ● Non Flashed
检测距离 Sensing distance	5mm, 8mm	10mm, 15mm	2mm, 4mm	5mm, 8mm	10mm, 15mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC
	DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	NO NC	NO NC	NO NC	NO NC
	AC 2线 AC 2 Wires	NO NC	NO NC	NO NC	NO NC
AC/DC 2线 AC/DC 2 Wires	NO NC	NO NC	NO NC	NO NC	NO NC
电源电压 Supply voltage	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC
开关频率 Frequency	DC3/4: 800Hz, 1000Hz DC2: 800Hz, 500Hz AC2: 20Hz	DC3/4: 300Hz, 500Hz DC2: 200Hz AC2: 20Hz	DC3/4: 1000Hz, 1500Hz DC2: 500Hz, 800Hz AC2: 20Hz	DC3/4: 800Hz, 1000Hz DC2: 300Hz, 500Hz AC2: 20Hz	DC3/4: 300Hz, 500Hz DC2: 200Hz, 300Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy
连接方式 Connection	成型电缆 Cable	成型电缆 Cable	M12 连接器 M12 Connector	M12 连接器 M12 Connector	M12 连接器 M12 Connector
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function



外壳代号 Shell code	GIA08P	GIA08XP	GIA11P	GIA30P	GRI17P
尺寸规格 (mm) Specifications(mm)	7.5*8*23	7.5*8*23	11*6*27	18*10*30	17*17*28
安装方式 Mounting	☞ 非埋 ☞ Non-flashed	☞ 非埋 ☞ Non-flashed	☞ 非埋 ☞ Non-flashed	● 埋入, ☞ 非埋 ● Flashed, ☞ Non-flashed	● 埋入, ☞ 非埋 ● Flashed, ☞ Non-flashed
检测距离 Sensing distance	2.5mm	2.5mm	3mm	5mm, 8mm	5mm, 8mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	NO NC
	AC 2线 AC 2 Wires	/	/	/	NO NC
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 20...250 VAC
开关频率 Frequency	1000Hz	1000Hz	1000Hz	800Hz, 1000Hz	DC3/4: 500Hz, 700Hz DC2: 500Hz, 700Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	PC	PC	PC	PBT	PBT
连接方式 Connection	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function



外壳代号 Shell code	GA18P	GR18P	GR25P	GR30P	GR40P
尺寸规格 (mm) Specifications(mm)	18*18*38	18*18*29	25*25*38	30*30*52	40*40*52
安装方式 Mounting	● 埋入, ● 非埋入 ● Flushed, ● Non-flushed	● 埋入, ● 非埋入 ● Flushed, ● Non-flushed	● 埋入, ● 非埋入 ● Flushed, ● Non-flushed	● 埋入, ● 非埋入 ● Flushed, ● Non-flushed	● 埋入, ● 非埋入 ● Flushed, ● Non-flushed
检测距离 Sensing distance	5mm, 8mm	5mm, 8mm	7mm, 10mm	10mm, 15mm	15mm, 20mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	NO NC	NO NC	NO NC	NO NC
	AC 2线 AC 2 Wires	NO NC	NO NC	NO NC	NO NC
AC/DC 2线 AC/DC 2 Wires	/	/	NO NC	NO NC	NO NC
电源电压 Supply voltage	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC	10...30 VDC 20...750 VAC 20...250 VAC/DC	10...30 VDC 20...750 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC
开关频率 Frequency	DC3/4: 500Hz, 700Hz DC2: 500Hz, 700Hz AC2: 20Hz	DC3/4: 500Hz, 700Hz DC2: 500Hz, 700Hz AC2: 20Hz	DC3/4: 500Hz, 700Hz DC2: 500Hz, 700Hz AC2: 20Hz	DC3/4: 500Hz, 700Hz DC2: 500Hz, 700Hz AC2: 20Hz	DC3/4: 200Hz, 400Hz DC2: 200Hz, 400Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	PBT	PBT	PBT	PBT	PBT
连接方式 Connection	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function



外壳代号 Shell code	GJA50P	GJA68P	GJA40P	GJA40PL	GJC00P
尺寸规格 (mm) Specifications(mm)	25*10*50	40*20*68	40*40*66	40*40*120	80*80*40
安装方式 Mounting	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed
检测距离 Sensing distance	5mm, 8mm	15mm, 25mm	15mm, 20mm	15mm, 20mm	40mm, 50mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	/	NO NC	NO NC	NO NC
	AC 2线 AC 2 Wires	/	NO NC	NO NC	NO NC
	AC/DC 2线 AC/DC 2 Wires	/	/	NO NC	NO NC
电源电压 Supply voltage	10...30 VDC	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC/DC	10...30 VDC 20...250 VAC/DC	10...30 VDC 20...250 VAC/DC
开关频率 Frequency	500Hz, 700Hz	DC3/4: 300Hz, 500Hz DC2: 300Hz, 500Hz AC2: 20Hz	DC3/4: 300Hz, 500Hz DC2: 300Hz, 500Hz AC2: 20Hz	DC3/4: 300Hz, 500Hz DC2: 300Hz, 500Hz AC2: 20Hz	DC3/4: 50Hz, 100Hz DC2: 50Hz, 100Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	PBT	PBT	PBT	PBT	PBT
连接方式 Connection	成缆电缆 Cable	成缆电缆, M12 连接器 Cable, M12 Connector	M12 连接器 M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect	M12 连接器, 端子连接 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function



外壳代号 Shell code	GI05	GI08	GI12	GI18	GI30
尺寸规格 (mm) Specifications(mm)	M5*0.5*22, M5*0.5*30	M8*1*22, M8*1*40	M12*1*30, M12*1*36	M18*1*30, M18*1*36	M30*1.5*30, M30*1.5*36
安装方式 Mounting	● 埋入 ● Flushed	● 埋入, ● 非埋 ● Flushed, ● Non-flushed	● 埋入, ● 非埋 ● Flushed, ● Non-flushed	● 埋入, ● 非埋 ● Flushed, ● Non-flushed	● 埋入, ● 非埋 ● Flushed, ● Non-flushed
检测距离 Sensing distance	0.8mm	1.5mm, 2mm	2mm, 4mm	5mm, 8mm	10mm, 15mm
输出方式 Output	NAMUR	NC	NC	NC	NC
	DC 3线 DC 3 Wires	/	/	/	/
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
AC 2线 AC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	7.7...9 VDC	7.7...9 VDC	7.7...9 VDC	7.7...9 VDC	7.7...9 VDC
开关频率 Frequency	3000Hz	2000Hz, 2500Hz	1500Hz, 2000Hz	1000Hz, 1500Hz	800Hz, 1000Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	铜镍合金 Nickel-copper Alloy	铜镍合金 Nickel-copper Alloy	铜镍合金 Nickel-copper Alloy	铜镍合金 Nickel-copper Alloy	铜镍合金 Nickel-copper Alloy
连接方式 Connection	成型电缆, M8 连接器 Cable, M8 Connector	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function

频率增强系列
Frequency enhanced



外壳代号 Shell code	GIC40P	GIC40FL	GIC80P	GX12	GX18
尺寸规格 (mm) Specifications(mm)	40*40*66	40*40*120	80*80*40	M12*1*50, M12*1*53	M18*1*50, M18*1*53
安装方式 Mounting	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed
检测距离 Sensing distance	15mm, 20mm	15mm, 20mm	40mm, 50mm	2mm, 4mm	5mm, 8mm
输出方式 Output	NAMUR NC	NC	NC	/	/
	DC 3线 DC 3 Wires	/	/	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
AC 2线 AC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	7.7...9 VDC	7.7...9 VDC	7.7...9 VDC	10...30 VDC	10...30 VDC
开关频率 Frequency	250Hz, 400Hz	250Hz, 400Hz	100Hz	3000Hz, 4000Hz	1500Hz, 2000Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	PBT	PBT	PBT	镍铜合金 Nickel copper Alloy	镍铜合金 Nickel copper Alloy
连接方式 Connection	M12 连接器 M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect	M12 连接器, 端子连接 M12 Connector Terminal connect	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector
产品认证 Certification	CE	CE	CE	CE	CE

增强远距离系列 Extended sensing distance



外壳代号 Shell code	GIQ045	G05	GIQ6.55	G08	GI12
尺寸规格 (mm) Specifications(mm)	Ø4*30	M5*0.5*30	Ø6.5*40	M8*1*40	M12*1*40, M12*1*50
安装方式 Mounting	• 埋入 • Flashed	• 埋入 • Flashed	• 埋入, • 非埋 • Flashed, • Non-Flashed	• 埋入, • 非埋 • Flashed, • Non-Flashed	• 埋入, • 非埋 • Flashed, • Non-Flashed
检测距离 Sensing distance	1.5mm	1.5mm	2mm, 4mm	2mm, 4mm	4mm, 6mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	/	/	NO NC	NO NC
	AC 2线 AC 2 Wires	/	/	/	NO NC
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	NO NC
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 20...750 VAC 20...250 VAC/DC
开关频率 Frequency	2000Hz	2000Hz	DC3/4: 1000Hz, 1500Hz DC2: 1000Hz, 1500Hz	DC3/4: 1000Hz, 1500Hz DC2: 1000Hz, 1500Hz	DC3/4: 500Hz, 800Hz DC2: 300Hz, 500Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	不锈钢 Stainless steel	镍铜合金 Nickel copper Alloy	不锈钢 Stainless steel	镍铜合金 Nickel copper Alloy	镍铜合金 Nickel copper Alloy
连接方式 Connection	成型电缆, M8 连接器 Cable, M8 Connector	成型电缆, M8 连接器 Cable, M8 Connector	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector
产品认证 Certification	CE	CE	CE	CE	CE

增强远距离系列 Extended sensing distance



外壳代号 Shell code	G18	G180	G1C4SP	G1C4PL	G1C80P
尺寸规格 (mm) Specifications(mm)	M18*140, M18*150	M30*1540, M30*1550	40*40*66	40*40*120	80*80*40
安装方式 Mounting	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed
检测距离 Sensing distance	8mm, 12mm	15mm, 25mm	25mm, 40mm	25mm, 40mm	50mm, 70mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC	NPN NO, NPN NC PNP NO, PNP NC
	DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	NO NC	NO NC	NO NC	NO NC
	AC 2线 AC 2 Wires	NO NC	NO NC	NO NC	NO NC
AC/DC 2线 AC/DC 2 Wires	NO NC	NO NC	NO NC	NO NC	NO NC
电源电压 Supply voltage	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC 20...250 VAC/DC
开关频率 Frequency	DC3/4: 300Hz, 400Hz DC2: 200Hz, 400Hz AC2: 20Hz	DC3/4: 150Hz, 300Hz DC2: 150Hz, 300Hz AC2: 20Hz	DC3/4: 100Hz, 200Hz DC2: 100Hz, 200Hz AC2: 20Hz	DC3/4: 100Hz, 200Hz DC2: 100Hz, 200Hz AC2: 20Hz	DC3/4: 30Hz, 50Hz DC2: 30Hz, 50Hz AC2: 20Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	PBT	PBT	PBT
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	M12 连接器 M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect	M12 连接器, 端子连接 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

模拟量输出系列 Analog output



外壳代号 Shell code	GI12	GI18	GE30	GIC40P	GIC40PL
尺寸规格 (mm) Specifications (mm)	M12*1*40, M12*1*50	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50	40*40*66	40*40*120
安装方式 Mounting	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	15mm, 20mm	15mm, 20mm
电压型输出 Voltage output	0...5V/0...10V	0...5V/0...10V	0...5V/0...10V	0...5V/0...10V	0...5V/0...10V
输出方式 Output	● 电压型输出 ● Current output	● 电压型输出 ● Current output	● 电压型输出 ● Current output	● 电压型输出 ● Current output	● 电压型输出 ● Current output
电压+电流输出 Voltage+Current output	0...10V+0...20mA	0...10V+0...20mA	0...10V+0...20mA	0...10V+0...20mA	0...10V+0...20mA
电源电压 Supply voltage	15...30 VDC	15...30 VDC	15...30 VDC	15...30 VDC	15...30 VDC
开关频率 Frequency	100Hz, 200Hz	100Hz, 200Hz	100Hz, 200Hz	50Hz, 100Hz	50Hz, 100Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	PBT	PBT
连接方式 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	M12 连接器 M12 Connector	M12 连接器, 端子连接器 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

温度扩展系列 Extended temperature



外壳代号 Shell code	GI12	GI18	GI30	GI40P	GI40PL
尺寸规格 (mm) Specifications(mm)	M12*1*40, M12*1*50	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50	40*40*66	40*40*120
安装方式 Mounting	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed	● 埋入, ● 非埋入 ● Flashed, ● Non-flashed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	15mm, 20mm	15mm, 20mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	/	/
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
开关频率 Frequency	1000Hz, 1500Hz	800Hz, 1000Hz	300Hz, 500Hz	200Hz, 300Hz	200Hz, 300Hz
环境温度 Ambient temperature	-40...+70°C, -25...+120°C	-40...+70°C, -25...+120°C	-40...+70°C, -25...+120°C	-40...+70°C, -25...+100°C	-40...+70°C, -25...+100°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nick-copper Alloy	镍铜合金 Nick-copper Alloy	镍铜合金 Nick-copper Alloy	PBT	PBT
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	M12 连接器 M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

耐高压系列 High pressure resistant



外壳代号 Shell code	GX125	GX145	GX165	GX185	
尺寸规格 (mm) Specification (mm)	M12*1*62, M12*1*77	M14*1*53.4, M14*1*63.4	M16*1*63, M16*1*73	M18*1*58, M18*1*74	
安装方式 Mounting	<ul style="list-style-type: none"> • 埋入 • Flushed 	<ul style="list-style-type: none"> • 埋入 • Flushed 	<ul style="list-style-type: none"> • 埋入 • Flushed 	<ul style="list-style-type: none"> • 埋入 • Flushed 	
检测距离 Sensing distance	1.5mm	1.5mm	2mm	2mm	
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	/	/
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	
开关频率 Frequency	600Hz	600Hz	600Hz	200Hz	
环境温度 Ambient temperature	-25...+80°C	-25...+80°C	-25...+80°C	-25...+80°C	
防护等级 Protection degree	IP68	IP68	IP68	IP68	
外壳材料 Housing material	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	
产品认证 Certification	CE	CE	CE	CE	

全金属封装系列 Full metal housing

转速监控系列 Rotation speed monitor



外壳代号 Shell code	GX125	GX185	GX305	GX18	GX30
尺寸规格 (mm) Specification (mm)	M12*1*60, M12*1*70	M18*1*60, M18*1*70	M30*1.5*60, M30*1.5*70	M18*1*53	M30*1.5*53
安装方式 Mounting	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	5mm, 8mm	10mm, 15mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NC PNP NC	NPN NC PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	/	NC
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC
开关频率 Frequency	300Hz	200Hz	100Hz	DC: 3...3000 times/min AC: 3...1200 times/min	DC: 3...3000 times/min AC: 3...1200 times/min
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆 Cable	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE

强磁免疫系列 Welding-immune

自诊断系列
Self-diagnosed

外壳代号 Shell code	GK12P	GK18P	GK30P	GK12	GK12
尺寸规格 (mm) Specification(mm)	M12*1*43, M12*1*46	M18*1*43, M18*1*46	M30*1.5*43, M30*1.5*46	M12*1*57	M12*1*40, M12*1*60
安装方式 Mounting	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 埋入, ● 非埋 ● Flushed, ● Non flushed	● 非埋 □ Non flushed	● 非埋 □ Non flushed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	3.7mm	3.7mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	/	/
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	/	/
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	20...30 VDC	20...30 VDC
开关频率 Frequency	2000Hz, 3000Hz	1000Hz, 1500Hz	500Hz, 800Hz	300Hz	300Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	黄铜+PTFE 涂层, PTFE Brass+PTFE, PTFE	黄铜+PTFE 涂层, PTFE Brass+PTFE, PTFE	黄铜+PTFE 涂层, PTFE Brass+PTFE, PTFE	镍铜合金 Nick-copper Alloy	镍铜合金 Nick-copper Alloy
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆 Cable	M12 连接器 M12 Connector
产品认证 Certification	CE	CE	CE	CE	CE

无衰减系列 Zero decrement



外壳代号 Shell code	GK12	GK18	GK30	GK40P	GK40PL
尺寸规格 (mm) Specifications(mm)	M12*1*40, M12*1*50	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50	40*40*66	40*40*120
安装方式 Mounting	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	15mm, 20mm	15mm, 20mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	/	/
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
开关频率 Frequency	500Hz, 800Hz	200Hz, 400Hz	150Hz, 300Hz	100Hz, 200Hz	100Hz, 200Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	PBT	PBT
连接方式 Connection	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	M12 连接器 M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

宽电压系列 Wide voltage



外壳代号 Shell code	GX12	GX18	GX30	GX40PL	GX80P
尺寸规格 (mm) Specifications(mm)	M12*1*40, M12*1*50	M18*1*40, M18*1*50	M30*1.5*40, M30*1.5*50	40*40*120	80*80*40
安装方式 Mounting	• 埋入, • 非埋入 • Flashed, • Non-flashed	• 埋入, • 非埋入 • Flashed, • Non-flashed	• 埋入, • 非埋入 • Flashed, • Non-flashed	• 埋入, • 非埋入 • Flashed, • Non-flashed	• 埋入, • 非埋入 • Flashed, • Non-flashed
检测距离 Sensing distance	2mm, 4mm	5mm, 8mm	10mm, 15mm	15mm, 20mm	40mm, 50mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	NO NC	NO NC	NO NC	NO NC
	AC 2线 AC 2 Wires	/	/	/	/
AC/DC 2线 AC/DC 2 Wires	/	/	/	/	
电源电压 Supply voltage	10...60 VDC	10...60 VDC	10...60 VDC	10...60 VDC	10...60 VDC
开关频率 Frequency	DC3/4: 1000Hz, 1500Hz DC2: 500Hz, 800Hz	DC3/4: 800Hz, 1000Hz DC2: 300Hz, 500Hz	DC3/4: 300Hz, 500Hz DC2: 200Hz	DC3/4: 300Hz, 500Hz DC2: 300Hz, 500Hz	DC3/4: 50Hz, 100Hz DC2: 50Hz, 100Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	镍铜合金 Nickel-copper Alloy	PBT	PBT
连接方式 Connect	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	M12 连接器, 端子连接 M12 Connector Terminal connect	M12 连接器, 端子连接 M12 Connector Terminal connect
产品认证 Certification	CE	CE	CE	CE	CE

标准功能系列 Standard function



外壳代号 Shell code	GC08	GC12	GC18	GC30	GCQ20P
尺寸规格 (mm) Specification (mm)	M8*1*40	M12*1*50	M18*1*50	M30*1.5*50	Φ20*75
安装方式 Mounting	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入, ● 非埋 ● Flashed, ● Non-flashed	● 埋入 ● Flashed
检测距离 Sensing distance	1mm, 2mm	2mm, 4mm	5mm, 8mm	10mm, 15mm	15mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	/	/	NO NC	NO NC
AC/DC 2线 AC/DC 2 Wires	/	/	/	NO NC	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC 20...250 VAC	10...30 VDC 20...750 VAC 20...250 VAC/DC	10...30 VDC 20...250 VAC
开关频率 Frequency	50Hz	50Hz	15Hz, 50Hz	15Hz, 50Hz	15Hz, 50Hz
环境温度 Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	镍铜合金 Nickel copper Alloy	镍铜合金, PA66 Nickel copper Alloy, PA66	镍铜合金, PBT, 不锈钢 Nickel copper Alloy, PBT Stainless steel	镍铜合金, PBT, 不锈钢 Nickel copper Alloy, PBT Stainless steel	PBT, 不锈钢 PBT, Stainless steel
连接方式 Connection	成型电缆 M8/M12 连接器 Cable M8/M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE

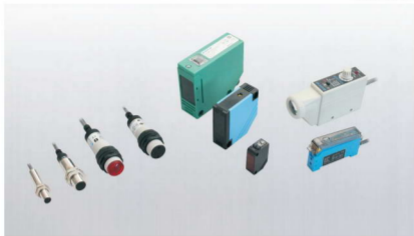
标准功能系列 Standard function

增强远距离系列
Extended sensing distance

管道液位系列
Pipe liquid level detecting



外壳代号 Shell code	GQ34P	GCA20P	GC13P	GC30P	GCA33P
尺寸规格 (mm) Specifications(mm)	Φ34*80	20*10*50	M18*1*50	M30*1.5*50	33*34*20
安装方式 Mounting	<ul style="list-style-type: none"> • 埋入 • Flashed 	<ul style="list-style-type: none"> • 埋入 • Flashed 	<ul style="list-style-type: none"> • 埋入, → 非埋 • Flashed, → Non Flashed 	<ul style="list-style-type: none"> • 埋入, → 非埋 • Flashed, → Non Flashed 	<ul style="list-style-type: none"> • 埋入 • Flashed
检测距离 Sensing distance	20mm	10mm	8mm, 12mm	15mm, 25mm	26mm
输出方式 Output	DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
	DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
	DC 2线 DC 2 Wires	/	/	/	/
	AC 2线 AC 2 Wires	NO NC	/	/	/
AC/DC 2线 AC/DC 2 Wires	NO NC	/	/	/	
电源电压 Supply voltage	10...30 VDC 20...250 VAC 20...250 VAC/DC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
开关频率 Frequency	50Hz	30Hz	50Hz	50Hz	20Hz
环境温度 Ambient temperature	-25...+70°C	-10...+55°C	-25...+70°C	-25...+70°C	-10...+55°C
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
外壳材料 Housing material	PBT	PBT	镀铜合金, PBT Nickel copper Alloy, PBT	镀铜合金, PBT Nickel copper Alloy, PBT	PBT
连接方式 Connection	成型电缆 Cable	成型电缆 Cable	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆, M12 连接器 Cable, M12 Connector	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE



光电式传感器 Photoelectric sensors

- 可调节距离，易于设置
 - 具有短路保护及逆极性保护功能
 - 电缆连接与连接器连接可选
 - 金属外壳坚固耐用，塑料外壳经济且安装简单
 - 具有入光ON/遮光ON转换功能
 - 内置电源可选择AC、DC或AC/DC通用电源
 - 继电器输出，容量高达250VAC*3A
-
- Easy to set up and adjust distance.
 - Short-circuit protection, reverse polarity protection.
 - Cable and connector connection optional.
 - Stainless steel housing, strong and durable. Plastic housing, economical and easy to install
 - Light on/dark on conversion function.
 - Built-in power supply, AC, DC or AC/DC universal Power supply.
 - Relay output, capacity up to 250VAC*3A.

产品命名方式 Naming rules

GE □ 18 □ □ - D S10 D NO □ - □ □ □
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1. 类型代码 Type code

GE: 光电式 Photoelectric

2. 外形代码 Shape code

无螺纹圆柱形 N/A: Threaded cylindrical

U 槽形 U-Shaped

Q: 光滑圆柱外壳

Smooth cylindrical

2位字母方形外壳

2 letters: Rectangular housing code

3. 尺寸代码 Size Code

数字: 外壳尺寸 Number: Housing diameter

如: 18M18 e.g. 18M18

4. 外壳材料 Housing material

无金属外壳 N/A: Copper

P: 塑料 Plastic

5. 外壳尺寸 Housing length

无标准型 N/A: Standard

短型 A Short A

长型 L Long L

6. 安装形式 Mounting

D: 漫反射式 Diffuse reflection

R: retro 反射式 Retro reflection

P: 偏振反射式 Polarized reflection

S: 聚焦反射式 Focus reflection

T: 射束式 Through beam reflection

M: 色标检测式 Colormark detect

Y: 背景抑制制 Background suppression

7. 感应距离 Sensing distance

例: S10: 10cm

S40: 40cm

M5: 5m

M10: 10m

8. 工作电压 Supply voltage

A: 20...250VAC

A1: 110VAC

A2: 220VAC

B: 90...250VAC

C: 180VAC

D: 10...30VDC

E: 10...60VDC

I: 10...40VDC

J: 5VDC

S: 12...240VDC/24...240VAC

T: 12...24VDC

9. 输出方式 Output way

A: AC 二线 AC 2 wires

P: PNP

N: NPN

E: NPN/PNP

F: NPN+PNP

K: 继电器 Relay

L: 发射器

10. 输出状态 Output status

O: 常开 NO

C: 常闭 NC

R: 常开+常闭 NO+NC

A: 常开/常闭可选

NO/NC: Reversible

B: 常开/常闭可选

NO/NC: Optional

分为电位器可选、电位器可选

Cable optional/Potentiometer optional

注: 继电器输出可以不选

Note: Relay output is optional

11. 延时状态 Time delay status

无: 不等延时功能

N/A: Without time delay function

T1: 带前延时功能

With previous time delay function

T2: 带后延时功能

With later time delay function

T3: 带前后延时功能

With previous/later time delay function

12. 电缆长度 Cable length

例: 无 2m

eg: N/A: 2m

3M: 3m

13. 连接形式 Connection

无: 2M 针式

N/A: 2M cable

M1: M3 三芯插件

M3 connector (3 pins)

M2: M2 四芯插件

M2 connector (4 pins)

M3: M3 四芯插件

M3 connector (4 pins)

M4: M2 四芯梯形插件

M2 trapezoid connector (4 pins)

M5: M1 五芯插件

M1 connector (5 pins)

D: 内部端子接线

Terminal

14. 特殊要求 Special requirement

用四位数字表示 In 4 Digits

漫反射系列 Diffuse reflection



外壳代号 Shell code	GE08	GE12	GE18	GE30	
检测距离 Sensing distance	5cm	15cm	10cm, 40cm	50cm, 100cm	
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	
DC 4线 DC 4 Wires	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	
输出方式 Output					
DC 2线 DC 2 Wires	/	/	/	/	
AC 2线 AC 2 Wires	/	/	NO NC	NO NC	
AC/DC 5线 AC/DC 5 Wires	/	/	/	/	
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC	
响应时间 Response time	DC: <8.2ms	DC: <8.2ms	DC: <8.2ms AC: <50 ms	DC: <8.2ms AC: <50 ms	
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	
防护等级 Protection degree	IP67	IP67	IP65	IP67	
外壳材料 Housing material	镍铜合金 Nickel-copper Alloy	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT	
连接方式 Connector	成型电缆 M8 连接器 Cable M8 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	
产品认证 Certification	CE	CE	CE	CE	

漫反射系列 Diffuse reflection



外壳代号 Shell code	GEPI1BP	GEPE1BP	GE20P	GE50P	GE75P
检测距离 Sensing distance	30cm	30cm	30cm, 80cm	50cm, 100cm	80cm, 1m
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO/NC PNP NO/NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
DC 4线 DC 4 Wires	/	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
输出方式 Output					
DC 2线 DC 2 Wires	/	/	/	/	/
AC 2线 AC 2 Wires	/	/	/	/	/
AC/DC 5线 AC/DC 5 Wires	/	/	/	继电器 NO+NC Relay output NO+NC	继电器 NO+NC Relay output NO+NC
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 24...240 VAC/ 12...240 VDC	10...30 VDC 24...240 VAC/ 12...240 VDC
响应时间 Response time	DC: <3ms	DC: <3ms	DC: <1ms	DC: <8.2ms AC: <30 ms	DC: <8.2ms AC: <30 ms
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
防护等级 Protection degree	IP66	IP66	IP67	IP50	IP67
外壳材料 Housing material	ABS	ABS	PC/ABS	PC/ABS	PC/ABS
连接方式 Connective	成型电缆 Cable	成型电缆 Cable	成型电缆 M8 连接器 Cable M8 Connector	成型电缆 Cable	端子排 Terminal
产品认证 Certification	CE	CE	CE	CE	CE

回归反射系列 Retro reflection



外壳代号 Shell code	GE18	GE30	GEP18P	GEPE18P	GE20P
检测距离 Sensing distance	3m	5m	2m	2m	2m
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO/NC PNP NO/NC
DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	/	/	/
输出方式 Output					
DC 2线 DC 2 Wires	/	/	/	/	/
AC 2线 AC 2 Wires	NO NC	NO NC	/	/	/
AC/DC 3线 AC/DC 3 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC	10...30 VDC	10...30 VDC	10...30 VDC
响应时间 Response time	DC: < 8.2ms AC: < 50 ms	DC: < 8.2ms AC: < 50 ms	DC: < 3ms	DC: < 3ms	DC: < 1ms
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
防护等级 Protection degree	IP67	IP65	IP66	IP66	IP67
外壳材料 Housing material	镍铜合金, PBT Nickel copper Alloy, PBT	镍铜合金, PBT Nickel copper Alloy, PBT	ABS	ABS	PC/ABS
连接方式 Connect	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 Cable	成型电缆 Cable	成型电缆 M8 连接器 Cable M8 Connector
产品认证 Certification	CE	CE	CE	CE	CE

回归反射系列 Retro reflection



外壳代号 Shell code	GE50P	GE75P		
检测距离 Sensing distance	5m	5m		
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	/		
DC 4线 DC 4 Wires	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC		
输出方式 Output				
DC 2线 DC 2 Wires	/	/		
AC 2线 AC 2 Wires	/	/		
AC/DC 5线 AC/DC 5 Wires	继电器 NO+NC Relay output NO+NC	继电器 NO+NC Relay output NO+NC		
电源电压 Supply voltage	10...30 VDC 24...240 VAC/ 12...240 VDC	10...30 VDC 24...240 VAC/ 12...240 VDC		
响应时间 Response time	DC: < 8.2ms AC: < 30 ms	DC: < 8.2ms AC: < 30 ms		
环境温度 Ambient temperature	-15...+55°C	-15...+55°C		
防护等级 Protection degree	IP64	IP67		
外壳材料 Housing material	PC/ABS	PC/ABS		
连接方式 Connection	成型电缆 M12 连接器 Cable M12 Connector	端子连接 Terminal		
产品认证 Certification	CE	CE		

对射系列 Through beam



外壳代号 Shell code	GE08	GE12	GE18	GE30	GE30L
检测距离 Sensing distance	3m	5m, 10m	10m, 20m	20m, 40m	150m
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC
DC 4线 DC 4 Wires	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
输出方式 Output					
DC 2线 DC 2 Wires	/	/	/	/	/
AC 2线 AC 2 Wires	/	/	NO NC	NO NC	/
AC/DC 3线 AC/DC 3 Wires	/	/	/	/	/
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC 20...250 VAC	10...30 VDC 20...250 VAC	10...30 VDC
响应时间 Response time	DC: <8.2ms	DC: <8.2ms	DC: <8.2ms AC: <50 ms	DC: <8.2ms AC: <50 ms	DC: <8.2ms
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
防护等级 Protection degree	IP67	IP67	IP65	IP67	IP67
外壳材料 Housing material	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT	镍铜合金, PBT Nickel-copper Alloy, PBT
连接方式 Connective	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 M12 连接器 Cable M12 Connector	成型电缆 Cable
产品认证 Certification	CE	CE	CE	CE	CE

对射系列 Through beam



外壳代号 Shell code	GEPI18P	GEPE18P	GE20P	GES0P	GE75P
检测距离 Sensing distance	5m	5m	5m, 10m	10m, 20m	20m, 30m, 40m
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO/NC PNP NO/NC	NPN NO; NPN NC PNP NO; PNP NC	/
DC 4线 DC 4 Wires	/	/	/	NPN NO+NC PNP NO+NC	NPN NO+NC PNP NO+NC
输出方式 Output	DC 2线 DC 2 Wires	/	/	/	/
AC 2线 AC 2 Wires	/	/	/	/	/
AC/DC 5线 AC/DC 5 Wires	/	/	/	继电器 NO+NC Relay output NO+NC	继电器 NO+NC Relay output NO+NC
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC 24...240 VAC/ 12...240 VDC	10...30 VDC 24...240 VAC/ 12...240 VDC
响应时间 Response time	DC: < 3ms	DC: < 3ms	DC: < 1ms	DC: < 8.2ms AC: < 30 ms	DC: < 8.2ms AC: < 30 ms
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
防护等级 Protection degree	IP66	IP66	IP67	IP64	IP67
外壳材料 Housing material	ABS	ABS	PC/ABS	PC/ABS	PC/ABS
连接方式 Connection	成缆电缆 Cable	成缆电缆 Cable	成缆电缆 M8 连接器 Cable M8 Connector	成缆电缆 M12 连接器 Cable M12 Connector	端子连接 Terminal
产品认证 Certification	CE	CE	CE	CE	CE

对射系列 Through beam



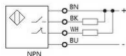
外壳代号 Shell code	GEU07	GEU15	GEU30	
检测距离 Sensing distance	7mm	15mm	30mm	
DC 3线 DC 3 Wires	NPN NO; NPN NC PNP NO; PNP NC	NPN NO; NPN NC PNP NO; PNP NC	NPN NO/NC PNP NO/NC	
DC 4线 DC 4 Wires	/	/	/	
输出方式 Output				
DC 2线 DC 2 Wires	/	/	/	
AC 2线 AC 2 Wires	/	/	/	
AC/DC 2线 AC/DC 2 Wires	/	/	/	
电源电压 Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	
响应时间 Response time	DC: <1ms	DC: <1ms	DC: <1ms	
环境温度 Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	
防护等级 Protection degree	IP64	IP64	IP60, IP67	
外壳材料 Housing material	PC/ABS	PC/ABS	铝合金+PC,PBT Aluminum alloy+PC,PBT	
连接方式 Connect	成型电缆 Cable	成型电缆 Cable	成型电缆 Cable	
产品认证 Certification	CE	CE	CE	

色标传感器 Color mark sensors



型号 Item code	KS-C2R/G/W/B	KS-C2R/G/W/B-P	KS-C2R/PK/G/GR/W/B/RE	KS-C2R/PK/G/GR/W/B/P
类型 Type	聚焦型 Focus			
开关组成 Composition	发射器与接收器一体 Emitter and receiver in one housing			
检测距离 Sn	10±2mm			
输出方式 Output	NPN NO+NC	PNP NO+NC	NPN NO+NC	PNP NO+NC
光源 Light source	单色可见红光/绿光/白光/蓝光 Monochromatic visible red / Green / White / blue		双色可见红光/绿光/白光/蓝光 Double color visible red / Green / White / blue	
电源电压 Supply voltage	10...30VDC			
光斑直径 Spot diameter	<1.5mm			
响应时间 Responses time	Max. 1ms			
迟滞范围 Hysteresis	1...15%			
重复误差 Repeatability	±3%			
负载电流 Load current	≤200mA			
残压电压 Residual voltage	≤2.5VDC			
消耗电流 Current consumption	≤45mA			
保护电路 Protection circuit	浪涌、短路、逆极性保护 Reverse polarity protection/ short-circuit protection/ surge protection			
输出指示 Output indicator	红色 LED Red LED			
环境温度 Ambient temperature	-25...55°C			
环境湿度 Ambient humidity	35...85%RH			
耐电压 Withstanding voltage	1000V/AC 50/60Hz 60s			
绝缘电阻 Insulation resistance	≥50MΩ(500VDC)			
耐震动 Anti-vibration	振幅幅: 1.5mm 10...50Hz (X,Y,Z方向各2小时) 10...50Hz, double amplitude: 1.5mm(in each of x, y and z direction for 2 hours)			
防护等级 Protection degree	IP65			
外壳材料 Housing material	PBT			
接线方式 Connection	2m PVC电缆 2m PVC cable			

电气接线图 Electrical wiring diagram

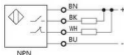


色标传感器 Color mark sensors

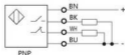


型号 Item code	ZN-TK2/TG2/TB2/TW2	ZN-TK2/TG2/TB2/TW2-P	ZN-TG3/TG3/TG3/TB3/TW3	ZN-TG3/TG3/TG3/TB3/TW3-P
类型 Type	聚焦型 Focus			
开关组成 Composition	发射器与接收器一体 Emitter and receiver in one housing			
检测距离 Sn	10±2mm			
输出方式 Output	NPN 三芯 NPN three core	PNP 三芯 PNP three core	NPN 四芯 NPN four core	PNP 四芯 PNP four core
光源 Light source	可见红、绿、红绿、绿蓝、绿白光 Visible red, green, blue, red and green, blue and white		可见红、绿、红绿、绿蓝、绿白光 Visible red, green, blue, red and green, blue and white	
电源电压 Supply voltage	10...30VDC			
光束直径 Spot diameter	<1.5mm			
响应时间 Responses time	Max. 1ms			
迟滞范围 Hysteresis	1...15%			
重复误差 Repeatability	±3%			
负载电流 Load current	≤200mA			
残留电压 Residual voltage	≤2.5VDC			
消耗电流 Current consumption	≤45mA			
保护电路 Protection circuit	浪涌、短路、逆极性保护 Reverse polarity protection/ short-circuit protection/ surge protection			
输出指示 Output indicator	红色LED Red LED			
环境温度 Ambient temperature	-25...55°C			
环境湿度 Ambient humidity	35...85%RH			
耐电压 Withstanding voltage	1000V/AC 50/60Hz 60s			
绝缘电阻 Insulation resistance	≥50MΩ(500VDC)			
耐振动 Anti-vibration	振幅1.5mm 10...50Hz (X,Y,Z方向各2小时) 10 ~ 50Hz, double-amplitude; 1.5mm(in each of x, y and z direction for 2 hours)			
防护等级 Protection degree	IP65			
外壳材料 Housing material	金属(锌合金) Metal(ZN Alloy)			
接线方式 Connection	2m PVC 电缆 2m PVC cable			

电气接线图 Electrical wiring diagram



NPN



PNP

BK: 浅色动作
Light movement

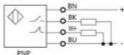
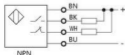
WH: 深色动作
Dark movement

色标传感器 Color mark sensors



型号 Item code	BZJ-311G/W/B	BZJ-312GR	BZJ-313
类型 Type	聚焦型 Focus		
开关组成 Composition	发射器与接收器一体 Emitter and receiver in one housing		
检测距离 Sn	12±2mm		
输出方式 Output	NPN/PNP	NPN/PNP	NPN/PNP
光源 Light source	单色可见绿光/白光/蓝光 Monochromatic visible Green/White/blue	双色可见红光/绿光 Double color visible red / Green	可见红光/绿光/蓝光自动选择 Visible red / Green / blue, automatic selection
电源电压 Supply voltage	10...30VDC		
光束直径 Spot diameter	≤1.5mm		
响应时间 Responses time	≤50μs		
迟滞范围 Hysteresis	1...15%		
重复误差 Repeatability	≤3%		
负载电流 Load current	≤200mA		
残压电压 Residual voltage	≤2.5VDC		
消耗电流 Current consumption	≤45mA		
保护回路 Protection circuit	浪涌、短路、逆极性保护 Reverse polarity protection/ short-circuit protection/ surge protection		
输出指示 Output indicator	红色 LED Red LED		
环境温度 Ambient temperature	-25...55°C		
环境湿度 Ambient humidity	35-85%RH		
耐压 Withstanding voltage	1000V/AC 50/60Hz 60s		
绝缘阻抗 Insulation resistance	≥50MΩ(500VDC)		
耐震动 Anti-vibration	共振幅1.5mm 10...50Hz (X,Y,Z方向各2小时) 10-50Hz, double-amplitude; 1.5mm(in each of x, y and z direction for 2 hours)		
防护等级 Protection degree	IP65		
外壳材料 Housing material	金属(锌合金) Metal(ZN Alloy)		
接线方式 Connection	2M PVC电缆或M12连接器 2M PVC cable or M12 connector		

电气接线图 Electrical wiring diagram



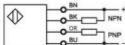
光纤传感器 Optical fiber sensors



型号 Item code	FA-NFR
检测物体 Sensing object	不透明体 Opaque object
电源电压 Power voltage	12~24VDC ±10%
消耗电流 Current consumption	≤40mA
响应时间 Response time	≤1ms
负载电流 Load current	≤100mA
保护电路 Protection circuit	过载保护, 极性保护 Overload protection, Reverse polarity protection
输出方式 Output	NPN/PNP NO/NC
光源 Light source	红光LED Red light LED Power:green LED; Output:red LED
指示灯 Indicator	电源: 绿色LED; 输出: 红色LED
环境温度 Ambient temperature	0~+50°C (注意不可结露、结冰 foridden dewed or iced)
环境湿度 Ambient humidity	35~85%RH
照度 Intensity of illumination	白炽灯: 受光面照射度3,000lx Incandescent lamp: intensity of illumination 3,000lx
耐电压 Withstanding voltage	1000VAC 1min. 50/60HZ
绝缘电阻 Insulation resistance	50MΩ以上, 基于DC500V的兆欧表 Above 50MΩ, base on DC500V megge
耐震动 Anti-vibration	10~50Hz, 双振幅: 0.75mm, X, Y和Z各方向2小时 10~50Hz, double-amplitude, 0.75mm, in each of xy and z direction for two hours
耐冲击 Anti-concussion	加速度: 500m/s ² (约50G) X, Y和Z各方向3次 Acceleration: 500m/s ² (approx 50G), for 3 times, in each of xy and z direction
防护等级 Protection degree	IP65
外壳材料 Materials	PC/ABS
接线方式 Connection	2M PVC电缆 2m PVC cable

电气接线图 Electrical wiring diagram











































































NPN/PNP NO/NC

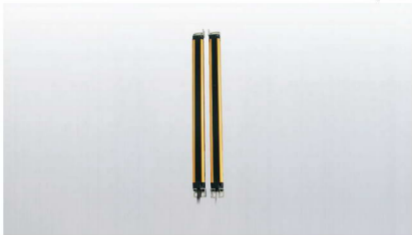


电缆颜色(符合DIN IEC 60757)
Cable color (Meets DIN IEC 60757)

BN—蓝 BK—黑
BU—蓝 OR—橙

直接反射式、对射式光纤头 Optical fiber sensor(diffuse, through beam reflection)

检测方式 Detection method	外形 Shape	直径 Dia	检测距离 D (mm)	最小检测物 Min. detectable object (mm)	最小直径 Min. diameter (mm)	重量 Weight (g)	型号 Item code	检测方式 Detection method	外形 Shape	直径 Dia	检测距离 D (mm)	最小检测物 Min. detectable object (mm)	最小直径 Min. diameter (mm)	重量 Weight (g)	型号 Item code			
直接反射式 Diffuse reflection		M6	110	Φ0.2	R25	40	PD-610	对射式 Through beam reflection		M6	500	Φ0.5	R25	49	PT-610			
		Φ5				40	PPD-510			Φ5				47	PT-510			
		M4				40	PDB-410			M4				45	PT-410			
		Φ3				40	PDB-310-Q			M3				45	PT-310			
		M6	170	Φ0.5	R40	43	PDX-610			M4	360	Φ0.2	R15	35	PTB-410			
		Φ5				40	PDX-510			M3				35	PTB-310			
		M6	100	Φ0.1	R25	40	PDC-610			Φ2	900	Φ1.0	R40	35	PTB-210			
		M4				35	PDC-410			M4				40	PTJ-410			
		M3				33	PDC-310			Φ2				40	PTJ-210			
		Φ3				33	PDC-310-Q			Φ5				42	PTX-510			
		Φ1	50	Φ0.05	R15	30	PDC7-129-Q29			M4	240	Φ0.5	R25	40	PTH-410			
		M3				30	PDC4-310			M3				35	PTE-310			
		Φ2				30	PDC4-210			Φ1	35	PTA-310						
		Φ1	16	Φ0.05	R15	30	PDC4-110			M3	40	Φ0.03	R10	35	PTE-210			
		M6				40	PDH-610			Φ2				33	PTA-210			
		Φ5	80	Φ0.2	R25	40	PDH-510			Φ1				300	Φ0.5	R2	47	PTY-610
		M4				40	PDZ-410			M4							45	PTY-410
		Φ3	40	Φ0.2	R2	40	PDZ-310-Q			M3	60	Φ0.05	R1	35	PTW-410			
		M4				40	PDW-410			M4				50	TW2-4750			
		square	16	Φ0.1	R1	40	PDW-11			M3	30	Φ0.05	R1	35	PFS-410			
		M6	100	Φ0.2	R2	45	PDY-610			M4				110	Φ0.05	R15	35	PFS-310
		M4				33	PDE-410			M3	35	PTD-310						
		M4	6	Φ0.05	R10	35	PDA-410			Φ2	100	Φ0.1	R15	33	PFS-210			
		M3				33	PDE-310			Φ1				32	PTS-110			
		Φ2				33	PDE-310Q			Φ1				30	PTC4-110			
		Φ5				35	PDA-310			Φ2				33	PTC4-210			
		Φ2	40	Φ0.1	R15	33	PDE-210			M3	240	Φ1.0	R15	35	PT-10ML			
		Φ5				36	PDS-510			Φ1.5				55	PT-15ML			
		M4				33	PDS-410			Φ1.5	55	PF-15ML						
		M4				33	PDD-410			Rectangle	95	PT-20ML						
		M3	40	Φ0.1	R15	33	PDS-310			Φ2	360	Φ1.0	R25	33	PTC4-310			
		Φ2				35	PDD-310			M3				30	PTC4-310			
		Φ2	80	Φ0.05	R15	33	PDS-210			Φ1	100	Φ0.1	R15	33	PTC4-210			
		M4				40	PDJ-410			M3				30	PTC4-310			
		M3	90	Φ1.0	R25	40	PDJ-310			Φ1.5	240	Φ1.0	R15	35	PT-10ML			
		Rectangle				60	PD-20ML			Φ1.5				55	PT-15ML			
		Rectangle	50	Φ1.0	R15	40	PD-10ML			Rectangle	360	Φ1.0	R25	95	PT-20ML			



光幕传感器 Light curtains

- 采用同步扫描方式，安全可靠
- 备有多种保护高度选择
- 具有20mm,40mm等多种分辨率
- 用于折剪机，切纸机，冲压机床等各种危险区域的人体部位保护
- Synchronous scanning ensure safety and reliability.
- Various protection heights optional.
- Multi resolution optional: 20mm, 40mm.
- Protecting human body form being hurted by dangerous machines,such as folding shear machine, paper cutter and punching machine etc.

产品命名方式 Naming rules

光幕 Light curtains

$\frac{SL}{1}$ $\frac{C}{2}$ $\frac{40}{3}$ $\frac{\square-T}{4\ 5}$ $\frac{06}{6}$ $\frac{\square}{7}$ $\frac{\square}{8}$ $\frac{NO}{9}$ $\frac{\square}{10}$ - $\frac{\square\square\square\square}{11}$

1. 分类 Type Code

SL: 区域传感器
Area sensor

L: 安全光幕传感器
Safety light curtain

2. 外形 Shape

C: 外形代号 Shape code

3. 光轴间距 The Axes Distance

例: 20表示间距为20mm

Eg. The 20 means of the distance
between two axes is 20mm

4. 光种类 Beam Lines

无 N/A: 平行光幕

Light curtain with parallel beams

X: 交叉光幕

Light Curtain with cross beams

5. 检测方法 Detect Method

D: 回扫反射 Retro reflection

T: 对射 Through beam reflection

6. 光轴数 Axes Number

04: 4轴 4 Axes 08: 8轴 8 Axes

24: 24轴 24 Axes ---

7. 检测距离 Detect Distance

无 N/A: 5m

02: 2m; 03: 3m ---

8. 工作电压 Supply Voltage

无 N/A: 12-24VDC T: 10-30VDC

L: 15-30VDC ---

9. 输出方式及状态 Output Status

无 N/A: 发射器 Emitter

U: 电压型(0...10V) Voltage output(0...10V)

U1: 电压型(0...5V) Voltage output(0...5V)

I: 电流型(0...20mA) Current output(0...20mA)

IU: 电压型+电流型(0...10V/0...20mA)
Voltage+current output(0...10V/0...20mA)

NO: 接收器 NPN NO输出
Receiver NPN NO output

NC: 接收器 NPN NC输出
Receiver NPN NC output

PO: 接收器 PNP NO输出
Receiver PNP NO output

PC: 接收器 PNP NC输出
Receiver PNP NC output

AO: 接收器 NPN+PNP NO输出

Receiver NPN+PNP NO output

AC: 接收器 NPN+PNP NC输出

Receiver NPN+PNP NC output

BO: 接收器 PNP+PNP NO输出

Receiver PNP+PNP NO output

BC: 接收器 PNP+PNP NC输出

Receiver PNP+PNP NC output

10. 连接方式 Connection

无 N/A: M12四芯插件+引线

M12 Plug 4pin with cable

E3: M8四芯插件+引线

M8 Plug 4pin with cable

M2: M12四芯插件 M12 Plug 4pin

M3: M8四芯插件 M8 Plug 4pin

M5: M12五芯插件 M12 Plug 4pin

M8: M12八芯插件 M12 Plug 8pin

F2: 引线式2m Cable: 2m

F3: 引线式3m Cable: 3m

11. 特殊要求 Special Request

用四位数字表示

With four numbers indicate



区域光幕传感器 SLC系列 Area sensors SLC

- 超长检测距离，最大可达5m
- 系列化、多规格产品，检测高度从60到1240mm
- 高亮度动作指示灯，使得产品工作状态容易识别
- 高规格防护等级，适应各种工作环境（IP65）
- Long detection distance, max up to 5m.
- Various specification, detection height from 60mm to 1240mm.
- High intensity LED indicator.
- IP65, apply in wide environments.

SLC20 系列 参数 Parameters

系列号 Area Qua	4轴 4Axes	8轴 8Axes	12轴 12Axes	16轴 16Axes	20轴 20Axes	24轴 24Axes	28轴 28Axes	32轴 32Axes
发射器 Emitter	SLC20-T04	SLC20-T08	SLC20-T12	SLC20-T16	SLC20-T20	SLC20-T24	SLC20-T28	SLC20-T32
NPN NO	SLC20-T04NO	SLC20-T08NO	SLC20-T12NO	SLC20-T16NO	SLC20-T20NO	SLC20-T24NO	SLC20-T28NO	SLC20-T32NO
PNP NO	SLC20-T04PO	SLC20-T08PO	SLC20-T12PO	SLC20-T16PO	SLC20-T20PO	SLC20-T24PO	SLC20-T28PO	SLC20-T32PO
检测高度 Detection height	60mm	140mm	220mm	300mm	380mm	460mm	540mm	620mm
检测距离 Detection width	5m							
光束间距 Beam distance	20mm							
检测物体 Sensing object	φ 30mm以上的不透明体 >φ 30mm opaque object							
电源电压 Power voltage	12~24V DC±10%							
消耗电流 Current consumption	<150mA							
响应时间 Response time	<6ms	<12ms	<18ms	<24ms	<30ms	<36ms	<42ms	<48ms
光源 Light sources	红外LED (调制式)				infrared LED (modulate)			
保护电路 Circuit protection	极性性、过载、短路 Reverse polarity, short-circuit protection, overload protection							
环境温度 Ambient temperature	-10~+55°C(注意不可结露、结冰、存储: -10~+60°C) -10~+55°C(forbidden dewed or iced), storage: -10~+60°C							
相对湿度 Ambient humidity	35~85%RH, 存储: 35~85%RH 35~85%RH, storage: 35~85%RH							
光源强度 Intensity of illumination	白炽灯: 受光面照强度 3,000lx				Incandescent lamp: intensity of illumination 3,000lx			
耐电压 Withstanding voltage	AC1,000V 1min							
绝缘电阻 Insulation resistance	50MΩ以上, 基于DC500V的绝缘表				Above 50MΩ, base on DC 500V megger			
耐振动 Anti-vibration	10~150Hz, 双振幅: 1.5mm, X, Y, Z各方向2小时 10~150Hz, double amplitude, 1.5mm, in each of x, y and z direction for 2 hours							
耐冲击 Anti-occlusion	加速度: 500m/s ² 的50G, X, Y, Z各方向3次 Acceleration: 500m/s ² approx50G, for 3 times, in each of x, y and z direction							
防护等级 Protection degree	IP65							
材质 Housing material	外壳: 铝合金; 透光罩: 聚脂; 罩盖: 增强尼龙				Housing: Al; Light cover: polyester; End cover: strengthen nylon			
接线方式 Connection	5根0.2m配 M12 连接器				0.2m cable with M12 connector			
配件 Accessory	5根2.5m母座线 (E12-NAF2.5) (可根据客户需求定制)				2.5m Connection cable(E12-NAF2.5)(Customized available)			

规格 Datasheets

规格 Item code	A	B	H	L
SLC20-T04	20	22	60	102
SLC20-T08	20	22	140	182
SLC20-T12	20	22	220	262
SLC20-T16	20	22	300	342
SLC20-T20	20	22	380	422
SLC20-T24	20	22	460	502
SLC20-T28	20	22	540	582
SLC20-T32	20	22	620	662

H: 保护高度, H=A* (N-1)

L为光幕总长度L=H+42mm

A: 光轴间距, 20mm或40mm

N: 光轴数

H: Protection height, H=A* (N-1)

L means of the total height L=H+42mm

A: The Axes distance, 20mm or 40mm

N: the quantity of axes.

SLC40 系列 参数 Parameters

系列号 Item Code	4轴 4Axes	6轴 6Axes	8轴 8Axes	10轴 10Axes	12轴 12Axes	14轴 14Axes	16轴 16Axes
发射器 Emitter	SLC40-T04	SLC40-T06	SLC40-T08	SLC40-T10	SLC40-T12	SLC40-T14	SLC40-T16
NPN NO	SLC40-T04NO	SLC40-T06NO	SLC40-T08NO	SLC40-T10NO	SLC40-T12NO	SLC40-T14NO	SLC40-T16NO
NPN NC	SLC40-T04NC	SLC40-T06NC	SLC40-T08NC	SLC40-T10NC	SLC40-T12NC	SLC40-T14NC	SLC40-T16NC
PNP NO	SLC40-T04PO	SLC40-T06PC	SLC40-T08PO	SLC40-T10PO	SLC40-T12PC	SLC40-T14PO	SLC40-T16PO
PNP NC	SLC40-T04PC	SLC40-T06PC	SLC40-T08PC	SLC40-T10PC	SLC40-T12PC	SLC40-T14PC	SLC40-T16PC
检测高度 Detection height	120mm	200mm	280mm	360mm	440mm	520mm	600mm
系列号 Item Code	18轴 18Axes	20轴 20Axes	22轴 22Axes	24轴 24Axes	26轴 26Axes	28轴 28Axes	32轴 32Axes
发射器 Emitter	SLC40-T18	SLC40-T20	SLC40-T22	SLC40-T24	SLC40-T26	SLC40-T28	SLC40-T32
NPN NO	SLC40-T18NO	SLC40-T20NO	SLC40-T22NO	SLC40-T24NO	SLC40-T26NO	SLC40-T28NO	SLC40-T32NO
NPN NC	SLC40-T18NC	SLC40-T20NC	SLC40-T22NC	SLC40-T24NC	SLC40-T26NC	SLC40-T28NC	SLC40-T32NC
PNP NO	SLC40-T18PO	SLC40-T20PO	SLC40-T22PO	SLC40-T24PO	SLC40-T26PO	SLC40-T28PO	SLC40-T32PO
PNP NC	SLC40-T18PC	SLC40-T20PC	SLC40-T22PC	SLC40-T24PC	SLC40-T26PC	SLC40-T28PC	SLC40-T32PC
检测高度 Detection height	680mm	760mm	840mm	920mm	1000mm	1080mm	1240mm
检测距离 Detection width	5m						
光束间距 Beam distance	40mm						
检测物体 Sensing object	≥φ6mm 以上的不透明体						
电源电压 Power voltage	12 ~ 24V DC ±10%						
消耗电流 Current consumption	<150mA						
响应时间 Response time	<12ms	<18ms	<24ms	<30ms	<36ms	<42ms	<48ms
光源 Light sources	红外LED (调制式)			Infrared LED (modulate)			
保护电路 Circuit protection	极性性, 过载, 短路						
环境温度 Ambient temperature	-10 ~ +55°C (注意不可结露, 结冰), 存储: -10 ~ +60°C						
相对湿度 Ambient humidity	35 ~ 85%RH, 存储: 35 ~ 85%RH						
发光强度 Intensity of illumination	白炽灯: 白光照射照度 3,000lx			Incandescent lamp: intensity of illumination 3,000lx			
耐压 Withstanding voltage	AC1,000V 1min						
绝缘电阻 Insulation resistance	50MΩ以上, 基于DC500V的兆欧表						
耐震动 Anti-vibration	10 ~ 150Hz, 双振幅: 1.5mm, X, Y和Z各方向2小时			10 ~ 150Hz, double-amplitude: 1.5mm, in each of x, y and z direction for 2 hours			
耐冲击 Anti-concussion	加速度: 500m/s ² (约50G), X, Y和Z各方向3次			Acceleration: 500m/s ² (approx50G), for 3 times, in each of xy and z direction			
防护等级 Protection degree	IP65						
材质 Housing material	外壳: 铝合金; 透光罩: 聚酯; 端盖: 增强尼龙			Housing: Al; Light cover: polyester; End cover: strengthen nylon			
接线方式 Connection	引线2m配 M12 连接器			0.2m cable with M12 connector			
配件 Accessory	引线2.5m母接线 (E12-N4F2.5) (可根据客户需求定制)			2.5m Connection cable(E12-N4F2.5)(Customized available)			

规格 Datasheets

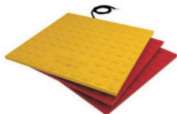
型号 Item code	A	B	H	L
SLC40-T04	40	22	120	182
SLC40-T06	40	22	200	262
SLC40-T08	40	22	280	342
SLC40-T10	40	22	360	422
SLC40-T12	40	22	440	502
SLC40-T14	40	22	520	582
SLC40-T16	40	22	600	662
SLC40-T18	40	22	680	742
SLC40-T20	40	22	760	822
SLC40-T22	40	22	840	902
SLC40-T24	40	22	920	982
SLC40-T26	40	22	1000	1062
SLC40-T28	40	22	1080	1142
SLC40-T30	40	22	1160	1222
SLC40-T32	40	22	1240	1302

H: 保护高度, H=A*(N-1)
H: Protection height, H=A*(N-1)

L: 光幕总长度 L=H+62mm
L: means of the total height L=H+62mm

A: 光束间距, 20mm或40mm
A: is the Axis distance, 20mm or 40mm

N: 光束数量
N: the quantity of axes.



安全地毯



安全继电器

SC16D10

- 继电器输出
- DIN轨道安装
- 直流、交流双电源
- N/O+2N/C输出
- 插件式接线端
- 输入输出自检
- 安全冗余结构

安全地毯通过检测到足够的压力而产生一个开关信号，实现区域安全保护；
表面有防滑设置，不会发生剥离；耐高温焊渣，耐车轮碾压；
对各种酸、碱、盐等化学物质有优异的抗腐蚀能力，
预计工作次数超过一百万次；
提供铝合金式的安全地毯压边，安装在地毯外圈边缘上；
与专用控制箱配合使用，构成完整的安全系统；
提供特殊外形尺寸，不需要附加电阻器。

尺寸	可按客户要求特殊制作 长度200mm-1000mm 宽度200mm-1000mm
承压压力	动态500KG，静态700KG
表面材料	橡胶（红色、黄色、黑色可选）
控制等级	与控制箱合用达到等级3
防护等级	IP65
环境温度	-10℃到60℃
厚度	14mm
触发力	成人30kg
电缆长度	3m和5m可选
响应时间	小于30ms
重量	约30kg/sq.m
抗化学	小于30ms
物质能力	一般
使用寿命	100万次
防水	较强
防矿物酸	强
防有机酸	强
防酒精	强
防乙醚	强
防腐蚀	强
防石油溶剂	强
防生物油溶剂	一般

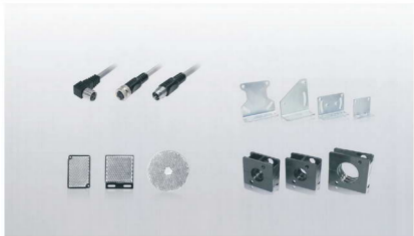
产品型号	宽度	长度	输出类型	出线方式
DT-2 250*500	250mm	500mm	NO	4芯
DT-2 250*500	500mm	500mm	NO	4芯
DT-2 250*1000	500mm	1000mm	NO	4芯
DT-2 750*1000	750mm	1000mm	NO	4芯
DT-2 1000*1000	1000mm	1000mm	NO	4芯
DT-2 1100*1800	1100mm	1800mm	NO	4芯



- 一种压力敏感的装置，用于保护工业现场人呐及设备安全；
- 种类齐全，低压启动，依照客户要求定制外形构造；
- 与控制器一起使用时，可实现自动故障诊断；
- 其构造是将连续的安全带式开关放入耐磨材料机架中，并将其嵌入铝制轨中。

尺寸	最长可达5000mm
表面材料	橡胶
控制等级	与控制器合用达到等级3
防护等级	IP65
环境温度	-10°C到65°C
响应时间	小于30ms
激活力度	>150N
使用寿命	10万次
防水	强
防矿物酸	强
防有机酸	强
防酒精	强
防乙醇	强
防石油溶剂	强
防生物油溶剂	一般

铝制横梁（尺寸规格）	图示	型号	材料	重量/m	颜色	长度
	平直					
		BY-305	EPDM	100	Nero	Max 5m
		BY-306	EPDM	300	Nero	Max 5m
		BY-316	EPDM	350	Nero	Max 5m
		BY-749	EPDM	400	Nero	Max 5m
		BY-326	EPDM	600	Nero	Max 5m
		BY-503	EPDM	500	Nero	Max 5m
		BY-747	EPDM	1100	Nero	Max 5m
		BY-748	NBR	1100	Nero	Max 5m
		BY-757	EPDM	1500	Nero	Max 5m
		BY-944	EPDM	2150	Nero	Max 5m



传感器附件 Sensor accessories

连接器及连接电缆

Connectors and connection cables

安装支架

Mounting brackets

光电反光板

Reflectors

安装夹具

Mounting clamps

连接线缆 Connection cable

产品命名方式 Naming rules

E12 - N3 G 5 - P - U - □□□□
1 2 3 4 5 6 7

1. 连接器规格 Connector type

E8 : M8连接器 M8 Connector
E12 : M12连接器 M12 Connector

2. 芯线连接 Core wire

N3 : 3芯内螺纹连接 3 pins female screw
N4 : 4芯内螺纹连接 4 pins female screw
W3 : 3芯外螺纹连接 3 pins male screw
W4 : 4芯外螺纹连接 4 pins male screw

3. 线缆方向 Cable lead out

F : 180° 弯头 180°
G : 90° 弯头 90°

4. 线缆长度 Cable length

2 : 2米电缆线 2m Cable
5 : 5米电缆线 5m Cable
10 : 10米电缆线 10m Cable

5. 输出方式 Output

无表示: 无LED, NPN/PNP共用
N/A: No LED, suitable for both NPN/PNP
P : 带LED PNP接口
With LED for PNP
N : 带LED NPN接口
With LED for NPN

6. 线缆材质 Cable material

无表示: PVC N/A: PVC
U : PUR

7. 特殊代码 Special code

四位数字代号 In 4 digits

连接线缆 Connection cable



外壳代号 Shell code	EB-N3	EB-N4	EB-W3	EB-W4	E12-N3
尺寸规格 Specifications	Φ10*30.4, Φ10*18.8	Φ10*30.4, Φ10*18.8	M8*29.8	M8*29.8	Φ14.6*42, Φ14.6*28
工作电压 Operating voltage	60 VAC/DC	60 VAC/DC	60 VAC/DC	60 VAC/DC	250V AC/DC, 0-30V DC
额定电流 Nominal current	3A	3A	3A	3A	3A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-20...+80°C	-20...+80°C	-20...+80°C	-20...+80°C	-20...+80°C
外壳 Outer covering	PU	PU	PU	PU	PU
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	不锈钢 Stainless steel	不锈钢 Stainless steel	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
连接线缆材质 Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU	PVC/PU
连接线缆直径 Cable diameter	Φ4.2	Φ4.2	Φ4.2	Φ4.2	Φ5.2
连接线缆芯线 Core wire	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	3*0.34mm ² (0.2*11)
连接线缆长度 Length	2m/5m	2m/5m	2m/5m	2m/5m	2m/5m
产品认证 Certification	/	/	/	/	/

连接线缆 Connection cable

连接器 Connector



外壳代号 Shell code	E12-N4	E12-W3	E12-W4	E12-N	E12-W
尺寸规格 Specifications	Φ14.6*42, Φ14.6*28	Φ14.6*45	Φ14.6*45	Φ20.2*56.7 Φ20.2*36.2	Φ20.2*56.7 Φ20.2*36.2
工作电压 Operating voltage	250 VAC/DC, 0-30 VDC	250 VAC/DC	250 VAC/DC	250V AC/DC	250V AC/DC
额定电流 Nominal current	3A	3A	3A	3A	3A
绝缘电阻 Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ	100MΩ
温度范围 Temperature range	-20...+80°C	-20...+80°C	-20...+80°C	-20...+80°C	-20...+80°C
外被 Outer covering	PU	PU	PU	ABS	ABS
承载材质 Bearing material	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	镍铜合金 Nickel-copper alloy	ABS	镍铜合金 Nickel-copper alloy
防护等级 Protection degree	IP67	IP67	IP67	IP67	IP67
连接线缆材质 Material	PVC/PU	PVC/PU	PVC/PU	/	/
连接线缆线径 Cable diameter	Φ5.2	Φ5.2	Φ5.2	/	/
连接线缆芯线 Core size	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	3*0.34mm ² (0.2*11)	/	/
连接线缆长度 Length	2m/5m	2m/5m	2m/5m	/	/
产品认证 Certification	/	/	/	/	/

电感式/电容式传感器接线图 Inductive/Capacitive sensors wiring diagram

DC 2线 DC 2 Wires	引线式 Cable type	M8 连接器 M8 Connector	M12 连接器 M12 Connector	端子连接 Terminal connect
NO				
NC				
DC 3线 DC 3 Wires	引线式 Cable type	M8 连接器 M8 Connector	M12 连接器 M12 Connector	端子连接 Terminal connect
NPN NO				
NPN NC				
PNP NO				
PNP NC				
DC 4线 DC 4 Wires	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect	
NPN NO+NC				
PNP NO+NC				
AC 2线 AC 2 Wires	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect	
SCR NO				
SCR NC				

AC/DC 2线 AC/DC 2 Wires	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect
NO			
NC			
NO/NC			

本固安全型 NAMUR	引线式 Cable type	M8 连接器 M8 Connector	M12 连接器 M12 Connector	端子连接 Terminal connect

模拟量输出 Analog output	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect
3线式 电压输出			
3线式 电流输出			
4线式 电压/电流输出			

连接器 Connector	M8/M12连接器 M8 Connector	M8/M12连接器 M8 Connector	M12/M12连接器 M12 Connector

光电式传感器接线图 Photoelectric sensors wiring diagram

发射器	引线式 Cable type	M8 连接器 M8 Connector	M12 连接器 M12 Connector	端子连接 Terminal connect
DC				
AC/DC				

DC 3线 DC 3 Wires	引线式 Cable type	M8 连接器 M8 Connector	M12 连接器 M12 Connector	端子连接 Terminal connect
NPN NO				
NPN NC				
PNP NO				
PNP NC				

DC 4线 DC 4 Wires	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect
NPN NO+NC			
PNP NO+NC			

AC 2线 AC 2 Wires	引线式 Cable type	M12 连接器 M12 Connector	端子连接 Terminal connect
SCR NO			
SCR NC			

AC/DC 5MS Wires	5 MS2C Cable type	端子连接 Terminal connect		
继电器 Relay				
NPN				
PNP				
NPN/PNP可选型 Optional NPN/PNP				
连接器 Connector	M8(M1)连接器 M8 Connector	M8(M3)连接器 M8 Connector	M12(M2)连接器 M12 Connector	



着眼 大市场、高科技产品

建设国内一流、国际知名的大型综合化传感器及工业自动化产业集团

十余年来的拼搏使光洋得以持续稳定地发展，完成了一个中国传感器企业由小到大、由弱到强，并迅速走向世界的发展历程。光洋愿与国内外同行携手合作，共同为全球客户提供优质的产品和服务，持续为客户创造最大的价值。

Focus on global market, high-tech products

Try to build GOYO to be a leading sensor and industrial automation group.

诚信第一、顾客第一、创新第一

Integrity priority Customer supreme Innovation first

