



特点 Features

- 黑色标识代表标准型产品
- 深灰色标识代表高端型产品
- Black mark for standard type
- Dark grey mark for high-end type
- 采用专用 IC 提高抗干扰能力
- 内置浪涌保护, 电源反接保护电路
- 寿命长, 高可靠性, 操作简单, 经济实惠
- 红色 LED 状态指示灯, 易于识别运行状态
- IP65 防护等级 (IEC 规格)
- Exclusively designed IC for improving anti-jamming capability
- Inside surge protection, reverse polarity protection
- Long use-life cycle and high reliability, easy install, enconomic price
- Red LED status indication, easy to confirm work situation
- Protection structure IP65(IEC standard)

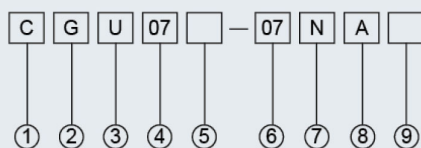


■ 黑色标准型
Black



■ 深灰色高端型
Dark grey

型号说明 Model Number Structure



项目 Item	代号 Code	说明 Description
① 公司代号 Company code	C	公司代号 Company code
② 产品名称 Product name	G	光电开关 Photoelectric sensor
③ 外壳形状 Shape of shell	U	U 形 U type
④ 尺寸代码 Dimension code	07	7= 槽宽 7mm Groove width 7mm
⑤ 产品类型 Product type	无 Without	无 Without = 高端型 High-end type (深灰色壳体 Dark grey shell)
	E	E = 标准型 Standard type (黑色壳体 Black shell)
⑥ 检测距离 Detection distance	07	7=7mm
⑦ 输出方式 Output mode	K	AC 二线 AC 2wires
	P	PNP 三线 PNP 3wires
	N	NPN 三线 NPN 3wires
	J	继电器 Relay
⑧ 输出状态 Output state	A	常开 NO
	B	常闭 NC
	C	常开 + 常闭 NO+NC
⑨ 连接形式 Connection	无 Without	引线式 Without: Lead wire
	T	接插式 Plug-in
	R	配线引出接插式 Wiring leads Plug-in

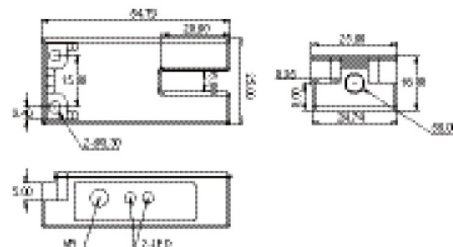
规格 Specifications

U 形光电开关

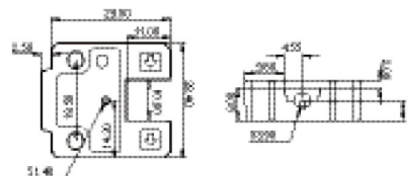
型号名 Model	高端型 High-end type	CGU07-07NA CGU07-07NB CGU07-07NC CGU07-07PA CGU07-07PB CGU07-07PC	CGU10-10NA CGU10-10NB CGU10-10PA CGU10-10PB	CGU30-30NA CGU30-30NB CGU30-30NC CGU30-30PA CGU30-30PB CGU30-30PC	CGU50-50NA CGU50-50NB CGU50-50NC CGU50-50PA CGU50-50PB CGU50-50PC
	标准型 Standard type	CGU07E-07NA CGU07E-07NB CGU07E-07NC CGU07E-07PA CGU07E-07PB CGU07E-07PC	CGU10E-10NA CGU10E-10NB CGU10E-10PA CGU10E-10PB	CGU30E-30NA CGU30E-30NB CGU30E-30NC CGU30E-30PA CGU30E-30PB CGU30E-30PC	CGU50E-50NA CGU50E-50NB CGU50E-50NC CGU50E-50PA CGU50E-50PB CGU50E-50PC
检测距离 Sensing distance		7mm	10mm	30mm	50mm
光源 Light source		红外 LED (调制) Infrared LED (Modulation)			
消耗电流 Consumption current		15mA 以下			
电源 (使用电压范围)Power supply (Operating voltage)		10-30VDC			
响应时间 Response time		< 1ms			
残留电压 Residual voltage		1V 以下 Max. 1V			
温度的影响 Affection by Temp.		在 -25~+55℃ 温度范围内 +20℃ 时的检测距离的 ± 10% 以内 Max. ± 10% for sensing distance at ambient temperature 20℃			
控制输出 Control output		200mA 以下 Max. 200mA			
绝缘阻抗 Insulation resistance		50MΩ 以上 (500VDC 为基准) Min. 50MΩ (at 500VDC megger)			
耐电压 Dielectric strength		1500VAC 50/60Hz1 分钟 1500VAC 50/60Hz for 1minute			
耐振动 Vibration		10~55Hz(周期 1 分钟) 振幅 1mm X, Y, Z 各方向 2 小时 1mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 2 hours			
耐冲击 Shock		500m/s ² (50G) X, Y, Z 各方向 3 次 500m/s ² (approx. 50G) X, Y, Z directions for 3 times			
显示灯 Indicator		动作指示灯 (红色 LED) Operation indicator(red LED)			
使用周围温度 Ambient temperature		-15~+55℃ (未结冰状态 No icing)			
储存温度 Storage temperature		-15~+55℃ (未结冰状态 No icing)			
使用周围湿度 Ambient humidity		35~95%RH (未结露状态 No condensation)			
保护电路 Protection circuit		浪涌保护电路, 过流保护电路 Surge protection circuit, Overcurrent protection circuit			
材质 Material		外壳: ABS, 检测面: PMMA, 一般线缆 (灰色): 聚氯乙烯 (PVC), 耐油性线缆 (黑色): 聚氯乙烯 (耐油强化型 PVC) Case: ABS, Sensing surface: PMMA, Standard cable(Gray): Polyvinyl chloride(PVC), Oil resistant cable(Black): Oil resistant Polyvinyl chloride(PVC)			
连接线缆 Cable	高端型 High-end type	φ 4.8, 3P,4P 2m AWG22, 芯线直径 :0.1mm, 芯线数 :30, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:30, Insulator diameter: φ 1.25	φ 3.8, 3P, 2m AWG22, 芯线直径 :0.1mm, 芯线数 :25, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:25, Insulator diameter: φ 1.25	φ 4.8, 3P,4P 2m AWG22, 芯线直径 :0.1mm, 芯线数 :30, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:30, Insulator diameter: φ 1.25	
	标准型 Standard type	φ 4.8, 3P,4P 1.5m AWG22, 芯线直径 :0.1mm, 芯线数 :30, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:30, Insulator diameter: φ 1.25	φ 3.8, 3P, 1.5m AWG22, 芯线直径 :0.1mm, 芯线数 :25, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:25, Insulator diameter: φ 1.25	φ 4.8, 3P,4P 1.5m AWG22, 芯线直径 :0.1mm, 芯线数 :30, 绝缘皮外径 : φ 1.25mm (AWG22, Core diameter: 0.1mm, Number of cores:30, Insulator diameter: φ 1.25	
防护等级 Protection		IP65			

外观和尺寸 Appearance and Dimension

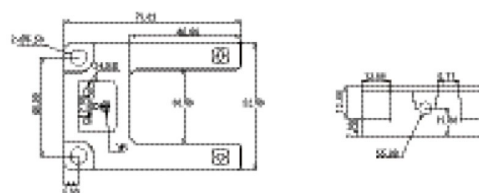
CGU07-07



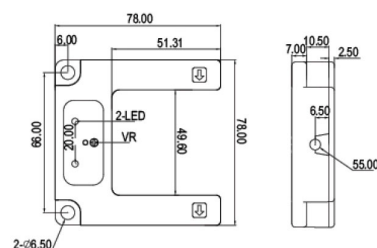
CGU10-10



CGU30-30



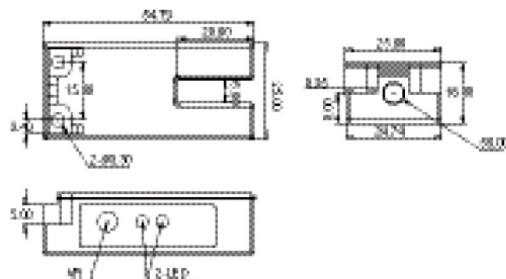
CGU50-50



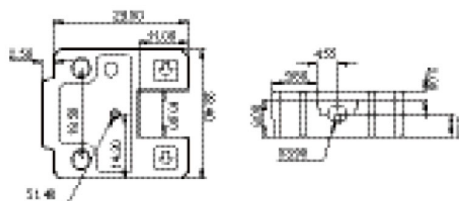
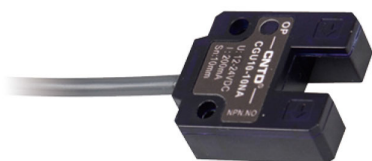
CGU U形光电开关 (标准型) Photoelectric Sensor U Type (Standard type)

外观和尺寸 Appearance and Dimension

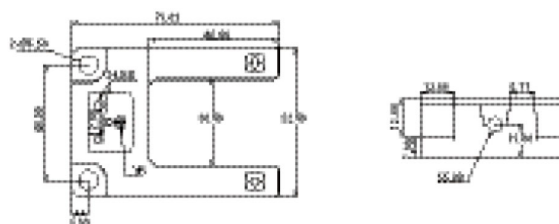
CGU07E-07



CGU10E-10



CGU30E-30



CGU50E-50

