

产品特点

- 高效节省空间的扁平型 (放大器、内置厚度≤10mm);
- 可以检测水、油、玻璃、塑料等非金属物体;
- 可直接安装至金属面;

Product Features

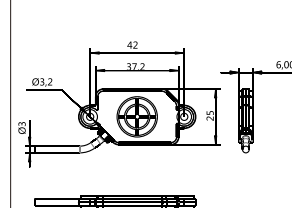
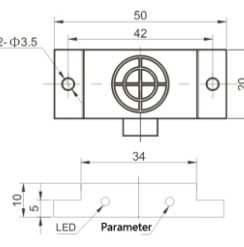
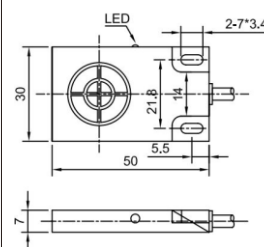
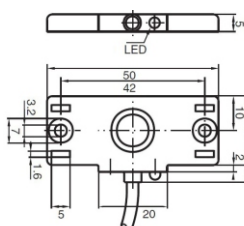
- Flat sensor with excellent space efficiency (model with built-in amplifier is ≤10mm thick);
- It can test water, oil, glass, plastic and other metalloid objects
- Direct mounting onto a metallic surface is possible



额定规格/性能 Ratings and Specifications

项目 Project	安装方式 Mounting	Non-Flushed(非屏蔽)							
	尺寸 Specification	5×20×50		7×30×50		10×20×50		25×6×42	
	型号 Model	CS05P-05DNA	CS05P-05DPA	CS07P-08DNA	CS07P-08DPA	CS10P-10DNA	CS10P-10DPA	CS25P-10DNA	CS25P-10DPA
检测距离 Sensing distance		5mm±10%		8mm±10%		10mm±10%		10mm±10%	
设定距离 Set distance		0~4mm		0~6.4mm		0~8mm		0~8mm	
回差范围 Hysteresis error		检测距离的3~20% (sensing distance)							
重复精度 Repeat accuracy		小于检测距离的5% (sensing distance)							
输出方式 Output mode		NPN/PNP							
输出状态 Output state		NO/NC							
响应频率 Response frequency		100HZ							
标准检测体 Standard sensing object		接地金属板 Grounded metal plate: 50X50X1t							
温度影响 Temperature influence		-25~+70°C温度范围内+23°C时, 检测距离的±20%以下 ±10%max.of sensing distance at 23°C in the temperature range of -25 to 70°C							
电源电压 Power supply Voltage		DC12-24V脉动(p-p)<10%(DC10-30V)				DC12-24V impulse(p-p)<10%(DC10-30V)			
消费电流 Current consumption		< 20 mA							
电压影响 Voltage effect		< 3%							
残留电压 Residual voltage		2.5V以下负载电流200mA及导线2米时 <2.5V load current 200mA&cable 2m							
负载电流 Load current		<200mA							
保护回路 Protection circuits		逆向连接保护,浪涌吸收 Reverse Connection protection,electrical surge absorption							
显示灯 Indicators		红色指示灯 Red LED							
连接方式 Connection		标准导线引出式2米 Pre-wired models (Standard cable length:2m)							
环境温度 Ambient temperature		动作时、保存时: 各-10°C~+55°C (不结冰 不结露) Operating/storage:-10 to 55°C with no icing or condensation							
环境湿度 Ambient humidity		动作时、保存时: 各35%~95% Operating/storage: 35% to 95%							
振动(耐久)Vibration resistant		10~55Hz 上下振幅 1.5mm,X,Y,Z各向2小时 Destruction:10~55Hz, 1.5mm double amplitude for 2H each in,X,Yand Z directions							
冲击(耐久)Shock resistant		500m/s ² , X,Y,Z各向3次 Destruction:500m/s ² , 3 times each in X,Y and Z directions							
耐电压 Dielectric strength		1000VAC,50/60Hz 1分钟充电部整体与外壳间 1000VAC,50/60Hz for 1min between current-carrying parts and case							
绝缘电阻 Insulation resistance		50MΩ 以上 (DC500V 兆欧表) 充电部与外壳间 >50MΩ min. (at 500VDC)between current-carrying parts and case							
保护结构 Degree of Protection		IEC IP67							
外壳材质 Housing materials		PBT							

Dimension(尺寸图)
(Unit/单位:mm)



CAD数据