

产品特点

- 确保电压变化对检测精度和稳定性无影响
- 具有浪涌、逆极性保护
- 宽电压10~60V

Product Features

- Ensure that voltage changes have no effect on sensing accuracy and stability
- Surge、reverse connection protection
- High Voltage 10~60V



额定规格/性能 Ratings and Specifications

项目 Project	尺寸Specification	40×40×67.5		41×41×63		80×40×104	
	安装方式Mounting	Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)
	型号Model	STG40-15BNA(P)-E STG40-15BNB(P)-E	STG40-20DNA(P)-E STG40-20DNB(P)-E	STG41-20BNC-E STG41-20BPC-E	STG41-40DNC-E STG41-40DPC-E	STG80-40BNC STG80-40BPC	STG80-50DNC STG80-50DPC
检测距离Sensing distance	15mm±10%		20mm±10%	20mm±10%	40mm±10%	40mm±10%	50mm±10%
设定距离Set distance	0~12mm		0~16mm	0~16mm	0~32mm	0~32mm	0~40mm
回差范围Hysteresis error	1~15% (sensing distance) / (检测距离的1~15%)					检测距离的1~20%	
重复精度Repeat accuracy	< 3% (sensing distance) / (小于检测距离的3%)			< 5% (sensing distance) / (小于检测距离的5%)			
输出方式Output mode	N: NPN			P: PNP			
输出状态Output state	NO/NC			NO+NC			
响应频率Response frequency	500HZ		300HZ	200HZ	100HZ	300HZ	150HZ
标准检测体Standard target	45X45X1t		60X60X1t	60X60X1t	120X120X1t	120X120X1t	150X150X1t
温度影响Temperature effect	-25°C~70°C, within±10% (+23°C sensing distance) / (温度范围-25~70°C, +23°C时检测距离±10%以内)						
电源电压Power supply	10~60V						
消费电流Current consumption	< 15mA						
电压影响Voltage effect	< 3%			< 5%			
残留电压Residual voltage	< 2.5V(load current 200mA & cable 2m) / 2.5V以下 (负载电流 200mA及导线2米)						
负载电流Load current	< 200mA						
回路保护Circuit protection	Reverse Connection protection, Short circuit protection, electrical surge absorption / (逆向连接保护 输出短路保护 浪涌吸收)						
指示灯Indicator light	Work(动作): Yellow LED / (黄色指示灯) Power(电源): Green LED / (绿色指示灯)						
泄漏电流Leakage current	< 100uA						
连接方式Connection	M12接插件 / (M12 connector)					Cable (2m) / 标准导线长2米带端子	
环境温度Ambient temperature	Work & store: -40°C~85°C / (使用时及保存时: -40°C~85°C)						
环境湿度Ambient humidity	Work & store: 35~95% / (使用时及保存时: 35~95%)						
振动-耐久Anti-vibration	10~50Hz, Amplitude 1.5mm, X, Y, Z(2H) (10~50 Hz, 上下振幅1.5mm X, Y, Z各向2小时)						
耐电压Withstanding voltage	1000V AC, 50/60Hz 1min / (1000V AC, 50/60Hz 1分钟充电部整体与外壳间)						
绝缘电阻Insulation resistance	> 50MΩ (DC500V megger) / 50MΩ以上 (DC500V 摇表) 充电部整体与外壳间						
保护结构protection degree	IEC IP67						
外壳材质Housing material	PA66			ABS+PBT			

Dimension(尺寸图)
unit/单位: mm

