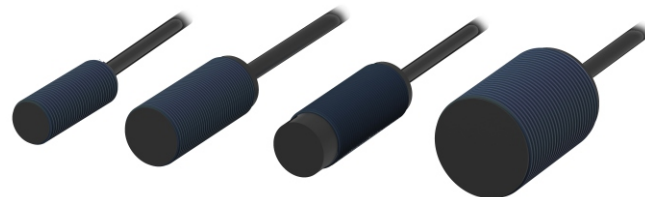


产品特点

- 适用于汽车生产线，焊接工业，化工行业等恶劣环境；
- 表面喷涂特氟龙，防止焊渣堆积和溅射，耐腐蚀；
- 耐候性强，-25°C~70°C工作正常，性能可靠，安装方便；
- 抗强磁场干扰；



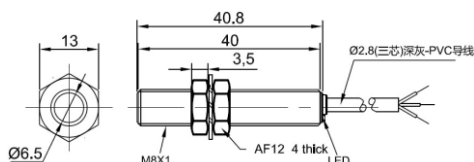
Product Features

- Suitable for auto production line, welding industry, chemical industry and other severe environment;
- Surface coat with Teflon, prevent welding slag accumulation and sputtering, corrosion resistance;
- Strong weather resistance, reliable performance, easy installation, -25°C~70°C workable;
- Anti-magnetic interference;

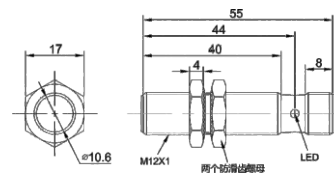
额定规格/性能 Ratings and Specifications

尺寸Specification		M8		M12	
安装方式Mounting		Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)
型号Model	导线式 Pre-wire	SNS08-1B5NA(P) SNS08-1B5NB(P)	SNS08-02DNA(P) SNS08-02DNB(P)	SNS12-02BNA(P) SNS12-02BNB(P)	SNS12-04DNA(P) SNS12-04DNB(P)
	插件式 Connector	SNS08-1B5NA-E(P) SNS08-1B5NB-E(P)	SNS08-02DNA-E(P) SNS08-02DNB-E(P)	SNS12-02BNA-E(P) SNS12-02BNB-E(P)	SNS12-04DNA-E(P) SNS12-04DNB-E(P)
检测距离Sensing distance		1.5mm±10%	2mm±10%	2mm±10%	4mm±10%
设定距离Set distance		0~1.2mm	0~1.6mm	0~1.6mm	0~3.2mm
回差范围Hysteresis error		检测距离的1~20% (sensing distance)			
重复精度Repeat accuracy		小于检测距离的3% (sensing distance)			
输出类型output type		N: NPN NA: NPN-NO NB: NPN-NC	P: PNP PA: PNP-NO PB: PNP-NC		
响应频率Response frequency		1500HZ	1000HZ	1200HZ	800HZ
标准检测体Standard target		8X8X1t		12X12X1t	
温度影响Temperature effect		温度范围-25~70°C, +23°C时检测距离±10%以内 -25~70°C, within±10% (+23°C sensing distance)			
电源电压Power supply		DC12-24V impulse(p-p) < 10%(DC10-30V)/DC12-24V 脉动 (p-p) < 10% (DC10-30V)			
消费电流Current consumption		< 10mA			
电压影响Voltage effect		< 3%			
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		逆向连接保护 输出短路保护 浪涌吸收 Reverse Connection protection, Short circuit protection, electrical surge absorption			
指示灯Indicator light		Yellow LED(黄色指示灯)			
泄漏电流Leakage currmt		< 100uA			
连接方式Connection		无N/A:标准导线2米cable		E:M12接插件connector	
环境温度Ambient temperature		Work&store: -25°C~70°C/(使用时及保存时: -25°C~70°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		10~55Hz, Amplitude 1.5mm, X, Y, Z(2H) (10~55 Hz, 上下振幅1.5mm X, Y, Z各向2小时)			
耐电压Withstanding voltage		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 摇表) 充电部整体与外壳间 > 50MΩ (DC500V megger)			
保护结构protection degree		IEC IP67			
外壳材质Housing material		黄铜镀特氟龙 PTFE-copper alloy			
检测面Sensing face		PBT			

Dimension(尺寸图)
unit/单位: mm



CAD数据



CAD数据

额定规格/性能 Ratings and Specifications

标准型 Standard

尺寸Specification		M18		M30					
安装方式Mounting		Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)				
型号Model	导线式 Pre-wire	SNS18-05BNA(P) SNS18-05BNB(P)	SNS18-08DNA(P) SNS18-08DNB(P)	SNS30-10BNA(P) SNS30-10BNB(P)	SNS30-15DNA(P) SNS30-15DNB(P)				
	插件式 Connector	SNS18-05BNA-E(P) SNS18-05BNB-E(P)	SNS18-08DNA-E(P) SNS18-08DNB-E(P)	SNS30-10BNA-E(P) SNS30-10BNB-E(P)	SNS30-15DNA-E(P) SNS30-15DNB-E(P)				
检测距离Sensing distance		5mm±10%	8mm±10%	10mm±10%	15mm±10%				
设定距离Set distance		0~4mm	0~6.4mm	0~8mm	0~12mm				
回差范围Hysteresis error		检测距离的1~20% (sensing distance)							
重复精度Repeat accuracy		小于检测距离的3% (sensing distance)							
输出类型output type		N: NPN	NA: NPN-NO	NB: NPN-NC	P: PNP	PA: PNP-NO	PB: PNP-NC		
响应频率Response frequency		800HZ		500HZ		500HZ		300HZ	
标准检测体Standard target		18X18X1t		24X24X1t		30X30X1t		45X45X1t	
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		DC12-24V impulse(p-p) < 10%(DC10-30V)/DC12-24V 脉动 (p-p) < 10% (DC10-30V)							
消费电流Current consumption		< 15mA							
电压影响Voltage effect		< 3%							
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		逆向连接保护 输出短路保护 浪涌吸收 Reverse Connection protection, Short circuit protection, electrical surge absorption							
指示灯Indicator light		黄色指示灯 Yellow LED							
泄漏电流Leakage currmt		< 100uA							
连接方式Connection		无N/A:标准导线2米cable		E:M12接插件connector					
环境温度Ambient temperature		Work&store: -25°C~70°C/(使用时及保存时: -25°C~70°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		10~55Hz, Amplitude 1.5mm, X, Y, Z(2H) (10~55 Hz, 上下振幅1.5mm X, Y, Z各向 2小时)							
耐电压Withstanding voltage		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 (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		PTFE-copper alloy(黄铜镀特氟龙)							
检测面Sensing face		PBT							

Dimension(尺寸图) unit/单位: mm	SN18Y接插件型(Connector) CAD数据	SN30Y接插件型(Connector) CAD数据
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