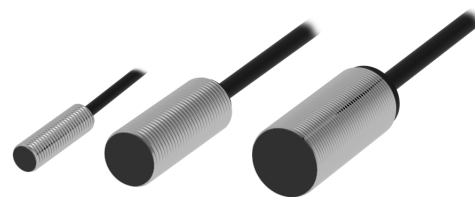


产品特点

- 响应快, 频率高
- 检测距离长

Product Features

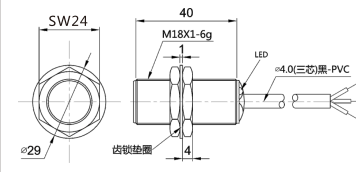
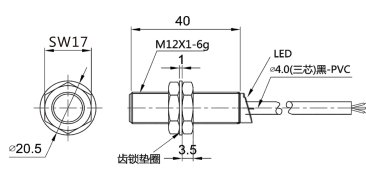
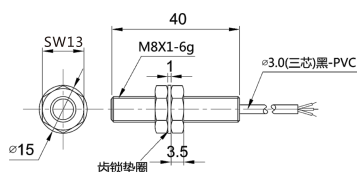
- Fast response and high frequency
- Long sensing distance



额定规格/性能 Ratings and Specifications

项目 Project	尺寸Specification	M8	M12	M18
	型号 Model	FN08-10B□A	FN12-10B□A	FN18-10B□A
		FN08-10B□B	FN12-10B□B	FN18-10B□B
检测距离Sensing distance	10mm（检测距离大小主要取决磁钢的磁力 magnetic strength effect）			
感应极性Sensing polarity	对磁铁感应,不分极性 No relevance to polarity when inducing the magnets.			
回差范围Hysteresis error	3~20%（sensing distance）/(检测距离的3~20%)			
重复精度Repeat accuracy	< 5%（sensing distance）/(小于检测距离的5%)			
输出类型Output type	N:NPN, P:PNP, A:NO, B:NC			
响应频率Response frequency	3KHz(平均Average)			
冲击电压Impluse voltage	100V50ms			
电源电压Power supply	DC12-24V 脉动(p-p)<10%(DC10-30V) DC12-24V impluse(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	1.5以下负载电流100mA <1.5V(load current 100mA) 2.5以下负载电流200mA<2.5V(load current 200mA)			
负载电流Load current	<100mA <200mA			
回路保护Circuit protection	极性保护 输出短路保护(200mA以上) Reverse Connection protection,Short circuit protection(>200mA)			
指示灯Indicator light	红色指示灯 Red LED			
泄漏电流Leakage current	< 100uA			
连接方式Connection	标准导线长2米或带端子 Cable（2m） or Connection protection			
环境温度Ambient temperature	使用时及保存时：-25℃~70℃ Work & store:-25℃~70℃			
环境湿度Ambient humidity	使用时及保存时:35%~95%RH Work&store: 35%~95%RH			
振动-耐久Anti-vibration	10~55Hz,上下振幅 1.5mm,X,Y,Z各向2小时 10~55Hz, Amplitude 1.5mm,X,Y,Z(2H)			
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 兆欧表） 充电部与外壳间 >50MΩ min.（at 500VDC）between current-carrying parts and case			
保护结构Protection degree	IEC IP67			
外壳材质Housing material	黄铜镀镍 Nickel-copper alloy			

Dimension(尺寸图)
(Unit/单位:mm)



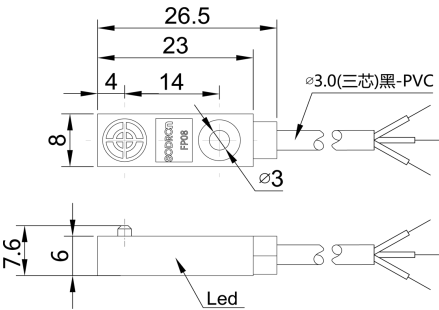
CAD数据

额定规格/性能 Ratings and Specifications

标准型 Standard

项目 Project	尺寸Specification	8×6×26.5	
	型号Model	FP08-10B□A	FP08-10B□B
检测距离Sensing distance	10mm (检测距离大小主要取决于磁钢的磁力 magnetic strength effect)		
感应极性Sensing polarity	对磁极N感应 Induction on N polarity		
回差范围Hysteresis error	3~15% (sensing distance) /(检测距离的3~15%)		
重复精度Repeat accuracy	< 5% (sensing distance) /(小于检测距离的5%)		
输出类型Output type	N:NPN, P:PNP, A:NO, B:NC		
响应频率Response frequency	1 KHz		
冲击电压Impluse voltage	100V50ms		
电源电压Power supply	DC12-24V 脉动(p-p)<10%(DC10-30V) DC12-24V impluse(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	1V以下 (负载电流30mA) <1V(load current 30mA)		
负载电流Load current	<30mA		
回路保护Circuit protection	极性保护 Reverse Connection protection		
指示灯Indicator light	红色指示灯 Red LED		
泄漏电流Leakage current	< 100uA		
连接方式Connection	标准导线长2米或带端子 Cable (2m) or Connection protection		
环境温度Ambient temperature	使用时及保存时: -25℃~70℃ Work & store:-25℃~70℃		
环境湿度Ambient humidity	使用时及保存时:35%~95%RH Work&store: 35%~95%RH		
振动-耐久Anti-vibration	10~55Hz,上下振幅 1.5mm,X,Y,Z各向2小时 10~55Hz, Amplitude 1.5mm,X,Y,Z(2H)		
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 兆欧表) 充电部与外壳间 >50MΩ min. (at 500VDC)between current-carrying parts and case		
保护结构Protection degree	IEC IP67		
外壳材质Housing material	PC		

Dimension(尺寸图)
(Unit/单位:mm)



CAD数据