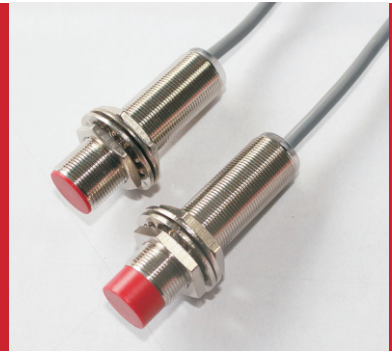# MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE !

除了金属以外也可以检测水，塑料等非金属.适用于多种用途，产品性能与品质良好

电容式接近传感器MC18系列
Capacitive proximity sensor mc18 series

In addition to metals, it can also detect water, plastics and other non - metals It is suitable for a variety of purposes, with good product performance and quality

▶ 型号说明Model Explanation

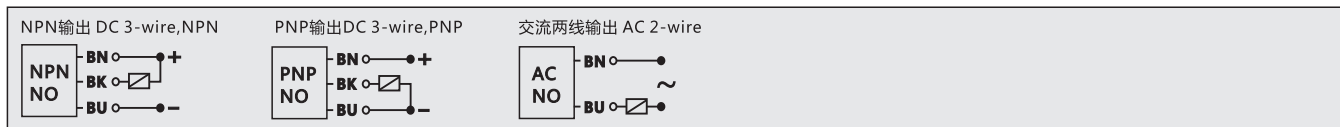| M	C	18	-08	N	K	-Z	-□	-□
基本型号Model M:型号代码 Model code M□:特殊型号定义 Speciall definition	传感器类别 category:C:电容式 Capacitive proximity sensor	直径OD:18:18mm	检测距离 Sensing distance：08:8mm	输出方式Output configuration：N:NPN输出 DC 3-wire,NPN P:PNP输出DC 3-wire,PNP A:交流两线输出 AC 2-wire	输出状态 Operation mode:K:常开 NO B:常闭 NC	产品等级 Product grade:Z:Z级	线缆长度 Cable length (标配2米 Standard Cable length is 2m) 5：5m	客户定制 Customized informat

▶ 产品种类Product Category

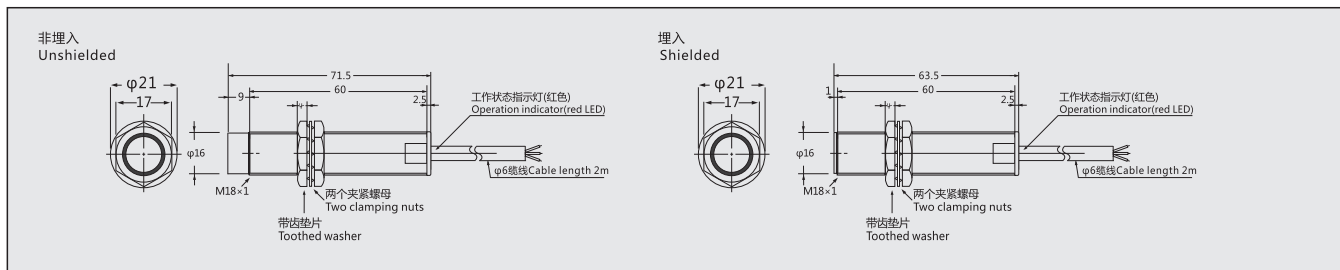| 型号 Model	形状 Appearance	检测距离 Sensing distance	输出规格 Output configuration	动作状态 Operation mode	连接方式 Connection mode
MC18-08NK-Z	非埋入 Unshielded	1-8mm	N:NPN输出 DC 3-wire,NPN P:PNP输出DC 3-wire,PNP A:交流两线输出 AC 2-wire	K:常开 NO B:常闭 NC KB:常开+常闭 NO+NC	导线引出/航插 Cable line/Plug

▶ 技术规格Specification

型号Type	MC18-08N/P/A	
电源电压 Voltage	直流NPN/PNP 10-30VDC	交流AC:220VAC
检测距离 Sensing distance	1-8mm	
可检测物体 Sensing object	导体和电介物质Conductors and dielectrics	
消耗电流 Leakage current	<15mA	
极性保护 Polarity protection	Yes	
工作状态指示灯 Indicator	动作显示(红色LED) Operation indicator(Red LED)	
环境温度 Ambient temperature	-25~+70℃(不结冰with no icing)	
环境湿度 Ambient humidity	工作时/保存时 Operating/Storage:35~95%RH	
绝缘电阻 Insulation resistance	50MΩ max. (DC500V)充电部总体与外壳间Between current -carrying parts and case	
耐电压 Dielectric strength	AC1000V max. 50~60Hz 1min 充电部总体与外壳间Between current -carrying parts and case	AC2000V max.
重复精度Repeat precision	<3%	
负载电流Load current	<200mA/<200mA/<100mA	<300mA
回差范围Backlash	1-20%	
压降 Drop	<2.5V/<2.5V	<10V
振动(耐久) Vibration resistance	10~55Hz复振幅1.5mmX，Y，Z各方向2h double amplitude for 2 hours each in X，Y and Z directions	
冲击(耐久) Shock resistance	500m/s²X，Y，Z各方向10次 500m/s² 10 times each X，Y and Z directions	
防护等级 Degree of protection	IEC IP67	
外壳Case	镍铜合金 Brass-nicke plated	

▶ 电路输出方式(示例) Example for output circuit

NPN输出 DC 3-wire,NPN

PNP输出DC 3-wire,PNP

交流两线输出 AC 2-wire

NPN NO	BN ○—— +
	BK
	BU ○—— −

PNP NO	BN ○—— +
	BK
	BU ○—— −

AC NO	BN ○—— ~
	BU ○——

▶ 安装尺寸图 Mounting Dimensions(单位Unit:mm)

非埋入 Unshielded

φ21
17
φ16
M18×1
71.5
9
60
2.5
工作状态指示灯(红色) Operation indicator(red LED)
φ6蕊线Cable length 2m
两个夹紧螺母 Two clamping nuts
带齿垫片 Toothed washer

埋入 Shielded

φ21
17
φ16
M18×1
63.5
1
60
2.5
工作状态指示灯(红色) Operation indicator(red LED)
φ6蕊线Cable length 2m
两个夹紧螺母 Two clamping nuts
带齿垫片 Toothed washer