

# MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE!

品种丰富可适用于各种限位控制，计数控制等方面，安装方便，可用于高脉冲发生器，高速旋转控制等

It has a wide variety and can be applied to various limit control, counting control, etc. it is easy to install and can be used for high pulse generator, high-speed rotation control, etc

**方形电感式接近传感器MF30系列**  
Square inductive proximity sensor MF30 series



## 型号说明 Model Explanation

M	F	-30	N	K	-Z	-□	-□
基本型号Model M-型号代码 Model code M□: 特殊型号定义 Special definition	传感器类别 category: F:方形电感式 Rectangular Inductive proximity sensor	边长 size: 30*30*48.5 mm 检测距离 Sensing distance: 10:10mm	输出方式Output configuration: N:NPN输出 DC 3-wire,NPN P:PNP输出DC 3-wire,PNP D:直流两线输出 DC 2-wire 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

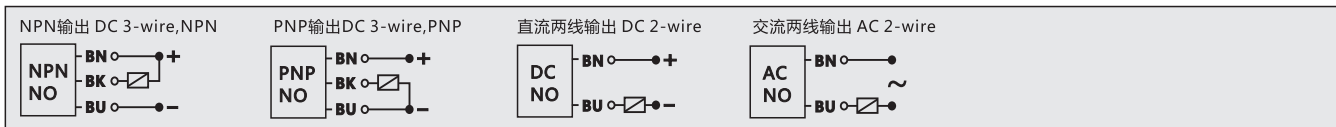
## 产品种类 Product Category

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
MF-30NK-Z	非埋入 Unshielded	10mm	N:NPN输出 DC 3-wire,NPN P:PNP输出 DC 3-wire,PNP D:直流两线输出 DC 2-wire A:交流两线输出 AC 2-wire	K:常开 NO B:常闭 NC	导线引出/航插 Cable line/Plug

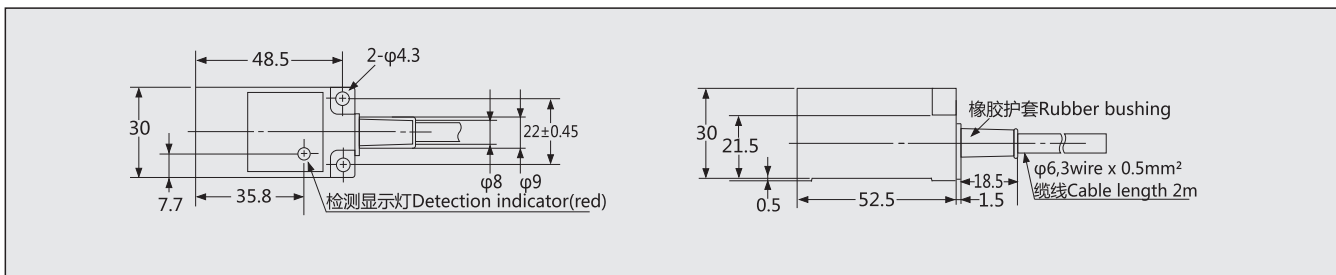
## 技术规格 Specification

型号Type	MF-30N/P/D/A	
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC	交流AC:220VAC
检测距离 Sensing distance	10mm	
消耗电流 Leakage current	<10mA/ <10mA/<1mA	<3mA
极性/短路保护 Polarity protection	Yes/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°C(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	AC2000V max.
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	
重复精度 Repeat precision	<3%	
负载电流 Load current	<200mA<200mA<100mA	<200mA
回差范围 Backlash	1-20%	
压降 Drop	<2.5V/<2.5V/<6V	<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	PBT	

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



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



编码器/磁栅尺  
Encoder/Magnetic Scale

位移/倾角/计数器  
Displacement /Inclination /Counter

接近/加速度/温度  
Proximity/Acceleration/Temperature

光电/超声波/区域  
Photoelectric/Ultrasonic/Area

压力/称重  
Pressure / load cell

联轴器/附件  
Couplings/Accessories