

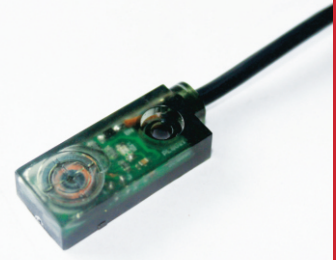
# MUJIE 慕杰®

YOUR AUTOMATION.YOUR MUJIE!

种类丰富，适用于各种安装，  
安装简单，无需支架，配有醒目的  
指示灯

## 方形电感式接近传感器MFW3系列 Square inductive proximity sensor MFW3 series

It has a wide variety and is suitable for various installations. It is simple to install without a support and is equipped with a striking indicator light



### 型号说明 Model Explanation

M	F	-W3	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: 12*6*30 mm 检测距离 Sensing distance: 3:3mm	输出方式Output configuration: N:NPN输出 DC 3-wire,NPN P:PNP输出DC 3-wire,PNP	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

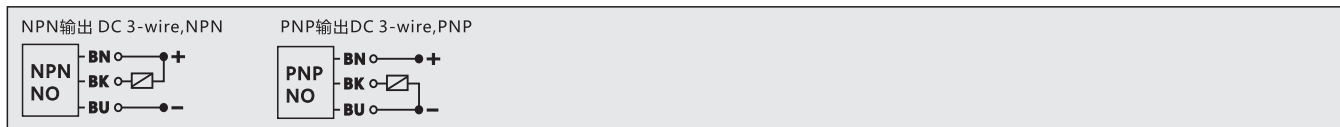
### 产品种类 Product Category

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-W3NK-Z	非埋入 Unshielded	3mm	N:NPN输出 DC 3-wire,NPN P:PNP输出 DC 3-wire,PNP	K:常开 NO B:常闭 NC	导线引出/航插 Cable line/Plug

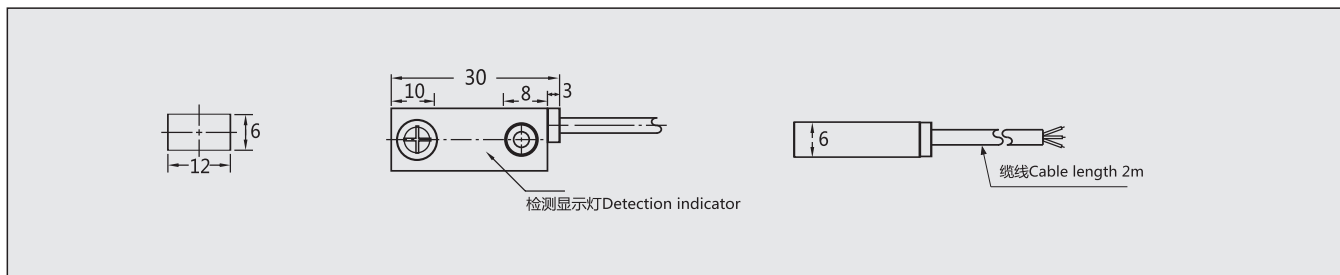
### 技术规格 Specification

型号Type	MF-W3N/P
电源电压 Voltage	直流NPN/PNP 10-30VDC
检测距离 Sensing distance	3mm
消耗电流 Leakage current	<10mA
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°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
耐电压 Dielectric strength	AC500V 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	<100mA
回差范围 Backlash	1-20%
压降 Drop	<2.5V
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	PAR

### 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