

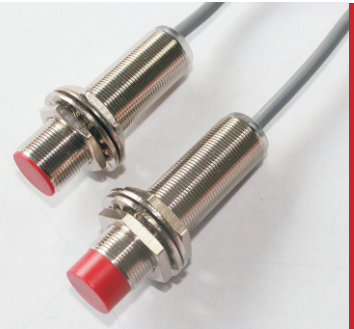
MUJIE 慕杰®

YOUR AUTOMATION.YOUR MUJIE!

适用于多种用途，产品性能与品质良好 金属外壳，便于安装保护，配有醒目的指示灯，便于查看工作状态 远距离测试

It is applicable to a variety of purposes. The metal shell with good product performance and quality is easy to install and protect. It is equipped with eye-catching indicator light, which is easy to view the working status and conduct remote test

圆柱形电感式接近传感器MI18系列 Cylindrical inductive proximity sensor M18 series



► 型号说明 Model Explanation

| M | I | 18 | -08 | 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: I:常规圆柱形 电感式 Cylindrical inductive proximity sensor | 直径OD: 18:18mm | 检测距离 Sensing distance: 08:8mm 05:5mm | 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 |

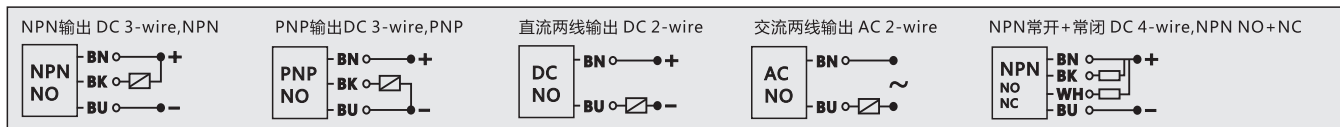
► 产品种类 Product Category

| 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 |
|-------------|-------------------|--------------------------|--------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| MI18-08NK-Z | 非埋入 Unshielded | 8MM | 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 KB:常开+常闭 NO+NC | 导线引出/航插 Cable line/Plug |
| MI18-05NK-Z | 埋入 Shielded | 5MM | | | |

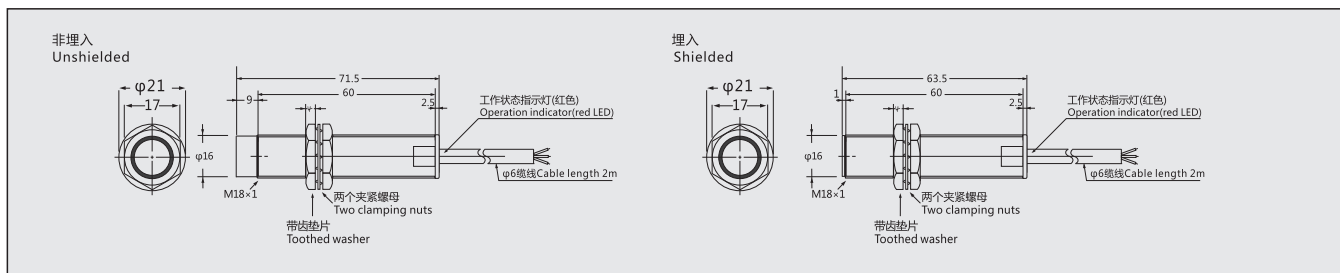
► 技术规格 Specification

| 型号Type | MI18-08/05N/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 | 8mm/5mm | |
| 消耗电流 Leakage current | <15mA/ <15mA/ <1mA | <3mA |
| 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 | AC2000V max. |
| 耐压 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 | <300mA |
| 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 | 镍铜合金 Brass-nicke plated | |

► 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

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适用于多种用途，产品性能与品质良好 金属外壳，便于安装保护，配有醒目的指示灯，便于查看工作状态

It is suitable for a variety of purposes. The metal shell with good product performance and quality is easy to install and protect. It is equipped with a striking indicator light to check the working status

圆柱形电感式接近传感器MI08系列
Cylindrical inductive proximity sensor M08 series



► 型号说明 Model Explanation

| M | I | 08 | -02 | 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: I:常规圆柱形 电感式 Cylindrical inductive proximity sensor | 直径OD: 08:8mm | 检测距离 Sensing distance: 1.5:1.5mm 02:2mm | 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 |

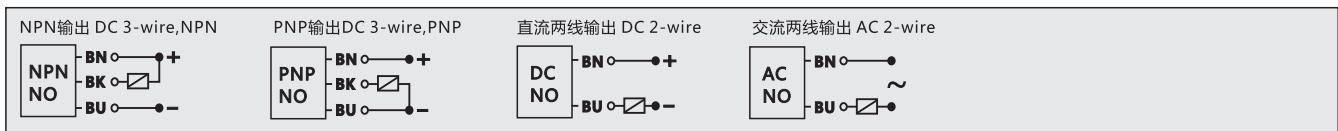
► 产品种类 Product Category

| 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 |
|--------------|-------------------|--------------------------|--------------------------------------------------------------------------------------------|------------------------|----------------------------|
| MI08-02NK-Z | 非埋入 Unshielded | 2mm | 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 |
| MI08-1.5NK-Z | 埋入 Shielded | 1.5mm | | | |

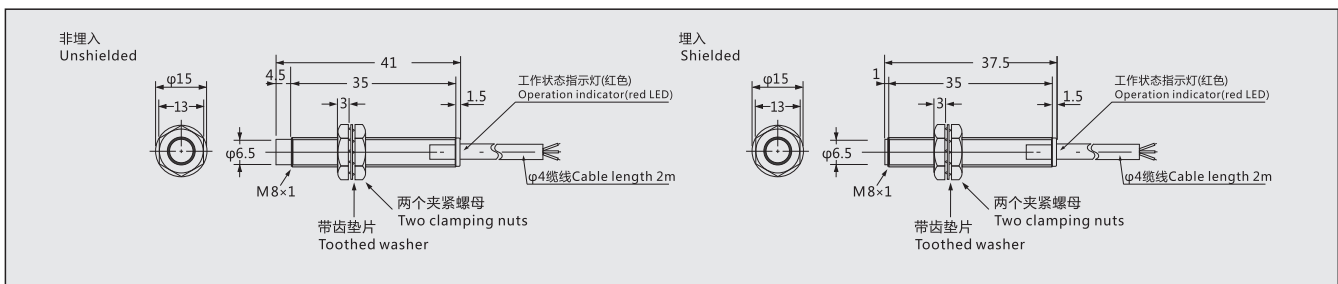
► 技术规格 Specification

| 型号Type | MI08-2/1.5N/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 | 2mm/1.5mm | |
| 消耗电流 Leakage current | <10mA/ <10mA/ <1mA | <3mA |
| 极性保护 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 | |
| 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 | <150mA/ <150mA/ <100mA | <150mA |
| 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/s ² X, Y, Z各方向10次 500m/s ² 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



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



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