

MUJIE 慕杰®

YOUR AUTOMATION.YOUR MUJIE!

结构简单，稳定可靠
灵敏度高，测量精确度高
金属外壳，便于安装保护
适用于多少种用途



圆柱形电感式接近传感器航插系列
Cylindrical inductive proximity connector sensor series

Simple structure, stable and reliable
High sensitivity and measurement accuracy
Metal enclosure for easy installation and protection
How many applications are applicable

► 型号说明 Model Explanation

M	I	12	-04	N	K	-HC	-□
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: Sensor Category I:圆柱形电感式 接近 Cylindrical Inductive approach sensor	直径OD : 08:8mm 12:12mm 18:18mm 30:30mm	检测距离 Sensing distance : 01:1mm 02:2mm 04:4mm 05:5mm 08:8mm 10:10mm 15:15mm	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	HC:航插 connector	客户定制 Customized informat

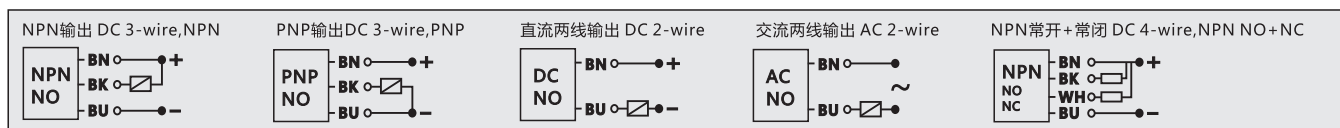
► 产品种类 Product Category

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-HC	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	航插 connector M8
MI08-01NK-HC	埋入 Shielded	1mm			
MI12-04NK-HC	非埋入 Unshielded	4mm	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	航插 connector M12
MI12-02NK-HC	埋入 Shielded	2mm			
MI18-08NK-HC	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	航插 connector M12
MI18-05NK-HC	埋入 Shielded	5mm			
MI30-15NK-HC	非埋入 Unshielded	15mm	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	航插 connector M12
MI30-10NK-HC	埋入 Shielded	10mm			

► 技术规格 Specification

型号Type	MI08-02/01N/P/D/A-HC	
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC	交流AC:220VAC
检测距离 Sensing distance	2mm/1mm	
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/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



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

► 技术规格 Specification

型号 Type	MI12-04/02N/P/D/A-HC	MI18-08/05N/P/D/A-HC	MI30-15/10N/P/D/A-HC
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC		交流AC:220VAC
检测距离 Sensing distance	4mm/2mm	8mm/5mm	15mm/10mm
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		
耐压 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/ <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		

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

