

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，灵敏度可以调节

It is suitable for a variety of purposes, with good product performance and quality. The metal shell is easy to install and protectand the sensitivity can be adjusted

圆柱形漫反射光电传感器MP12系列
Cylindrical diffuse reflection photoelectric sensor MP12 series



► 型号说明 Model Explanation

M	P	12	-05	D	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: P:圆柱形光电 Cylindrical photoelectric sensor	直径OD: 12:12mm	检测距离 Sensing distance: 05:5cm 10:10cm	检测方式 Sensing method: D:漫反射 Diffusere- flective R:回归反射Retro- Reflective with MSR function T:对射Throughbeam	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 KB:常开+常闭 NO+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

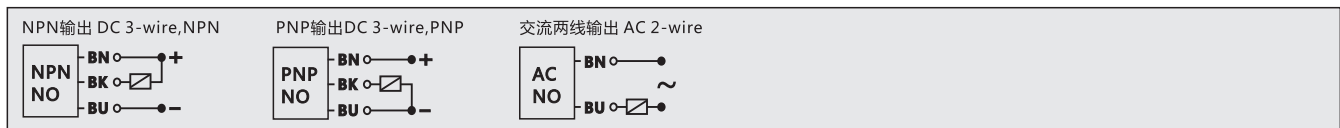
► 产品种类 Product Category

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
MP12-05DNK-Z		5cm	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 Cable line
MP12-10DNK-Z		10cm			

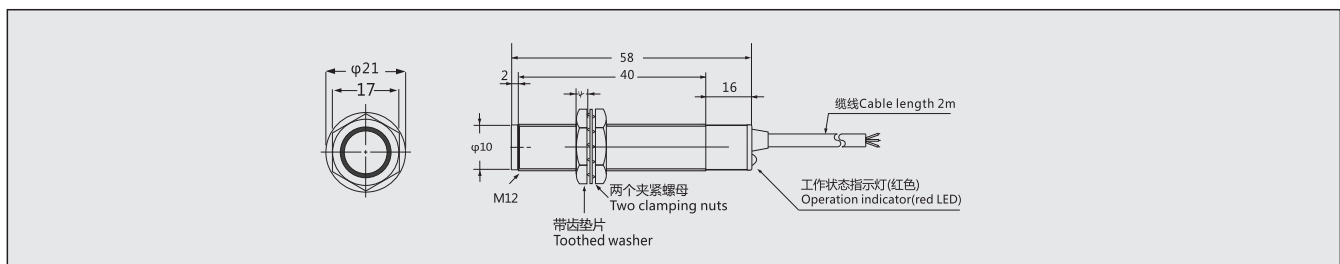
► 技术规格 Specification

型号 Type	MP12-05/10 DN/DP/DA	
电源电压 Voltage	直流NPN/PNP 10-30VDC	交流AC:220VAC
检测距离 Sensing distance	5cm/10cm	
光源 Light source	红外发光二极管 Infrared LED	
应差距离 Differential travel	检测距离的10%以下 10% max. of sensing distance	
消耗电流 Leakage current	10mA max.	AC :350mA DC:100mA
响应时间 Response time	2ms max.	
输出/电源指示 Output/Power indication	-/红色LED Red LED	
回路保护 Protection circuits	电源逆向保护,输出短路保护 Power supply reverse polarity, Output short-circuit protection	
环境照度 Ambient illumination	太阳光 Sunlight:10000lx,白炽灯 Incandescent lamp:3000lx	
环境温度 Ambient temperature	-25~+55°C (不结冰 with no icing)	
环境湿度 Ambient humidity	工作时/保存时 Operating 35~85%RH/Storage:35~95%RH (不结露 with no condensation)	
绝缘电阻 Insulation resistance	20MΩ 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	
重复精度 Repeat precision	<5%	
负载电流 Load current	<200mA	
压降 Drop	<1.5V	
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/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	
材质 Material(外壳 Case /透镜 Lens)	镀镍黄铜 Brass-nicke plated /PMMA	

► 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