

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，适用于远距离检测



圆柱形对射光电传感器航插系列

Cylindrical photoelectric sensor aerial insertion series

It is suitable for a variety of purposes. The product has good performance and quality. The metal shell is easy to install and protect. It is suitable for long-distance detection

型号说明 Model Explanation

M	P	18	-5	T	N	K	-Z	-HC	-□
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: 18:18mm	检测距离 Sensing distance: 5:5m 10:10m 20:20m	检测方式 Sensing method: D:漫反射 Diffuse-reflective 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	HC:航插 Connector	客户定制 Customized informat

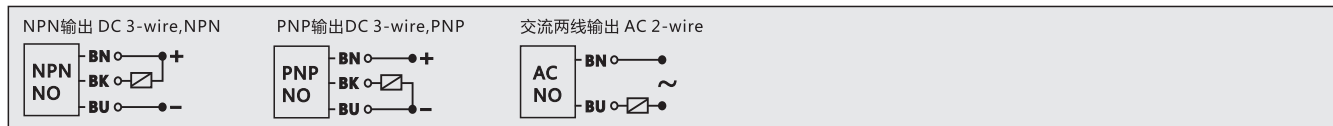
产品种类 Product Category

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
MP18-5TNK-Z-HC		5m	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
MP18-10TNK-Z-HC		10m			
MP18-20TNK-Z-HC		20m			

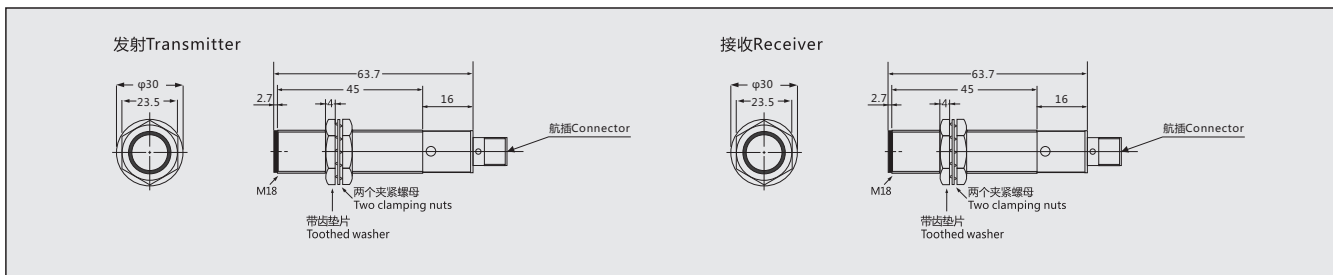
技术规格 Specification

型号 Type	MP18-5/10/20 TN/TP/	TA
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC	交流AC:220VAC
检测距离 Sensing distance	5m/10m/20m	
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	45mA max.	AC:350mA DC:100mA
响应时间 Response time	2ms max.	
输出/电源指示 Output/Power indication	绿色LED Green LED/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	动作时 Operating: -25~+55°C, 保存时 Storage: -40~+70°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 1.5mm X, 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/s² X, 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 IP65	
材质 Material (外壳 Case / 透镜 Lens)	镀镍黄铜 Brass-nickel 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