

# MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE!

内置直流发射器，发射接收一体，  
便于安装保护，灵敏度可以调节  
可替代超声波使用

## 圆柱形广角光电传感器MGG系列

Cylindrical wide-angle photoelectric sensor MGG series

With built-in DC transmitter, the transmitter and receiver are integrated, which is convenient for installation and protection, and the sensitivity can be adjusted to replace ultrasonic



### 型号说明 Model Explanation

M	GG	18	-10	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: Sensor type: GG:圆柱形 广角光电 cylindrical Wide-angle photoelectricity	直径OD: 18:18mm	检测距离 Sensing distance: 10:10cm 30:30cm 50:50cm 80:80cm	检测方式 Sensing method: D:漫反射 Diffusere-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	线缆长度 Cable length (标配2米 Standard Cable length is 2m) 5 : 5m	客户定制 Customized informat

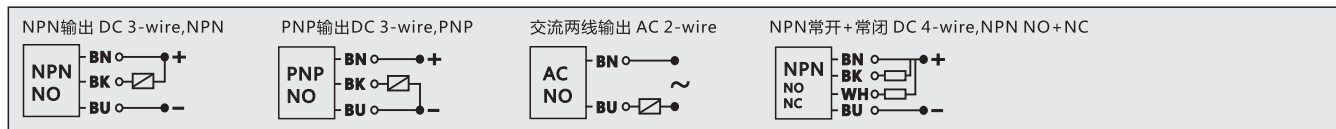
### 产品种类 Product Category

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
MGG18-10DNK-Z		10cm	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
MGG18-30DNK-Z		30cm			
MGG18-50DNK-Z		50cm			
MGG18-80DNK-Z		80cm			

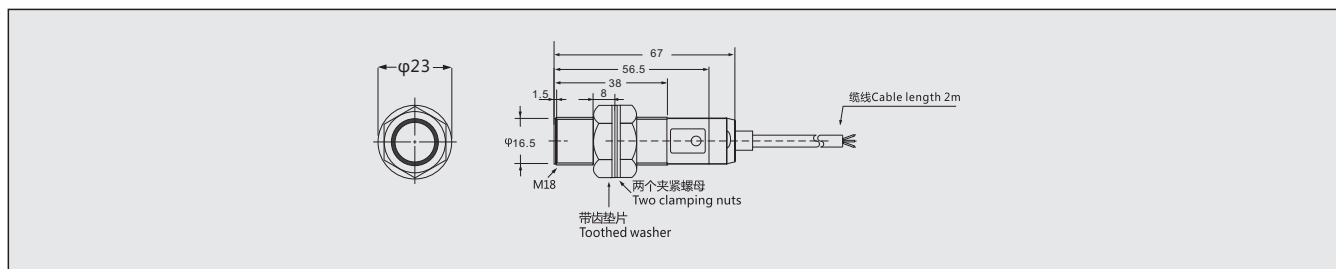
### 技术规格 Specification

型号Type	MGG 18-10/30/50/80 DN/DP/DA	
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC	交流AC:220VAC
检测距离 Sensing distance	10cm/30cm/50cm/80cm	
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	30mA 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 Operating35~85%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	
耐电压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/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	
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