

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

槽型光电传感器MU30系列 Slot photoelectric sensor MU30 series

Built in DC transmitter and receiver,
easy to install, and the protection
ensitivity can be adjusted



型号说明 Model Explanation

M	U	-30	T	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: U-槽型光电 U-shape photoelectric sensor	检测距离 Sensing distance: 30:30mm	检测方式 Sensing method: 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	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
MU-30TNK-Z		30mm	N:NPN输出 DC 3-wire, NPN P:PNP输出 DC 3-wire, PNP	K:常开 NO B:常闭 NC	导线引出 Cable line

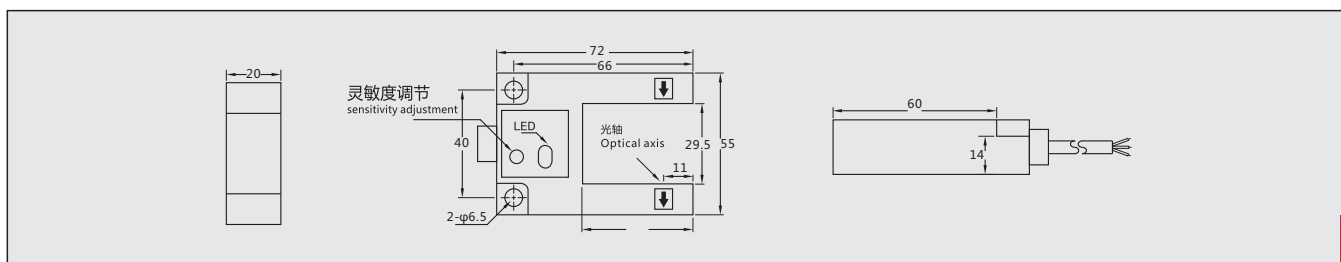
技术规格 Specification

型号 Type	MU-30 N/P
电源电压 Voltage	直流:10-30VDC
检测距离 Sensing distance	30mm
光源 Light source	红外发光二极管 Infrared LED
消耗电流 Leakage current	40mA max.
响应时间 Response time	1ms 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
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	<5%
负载电流 Load current	<200mA
压降 Drop	<1.5V
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 IP64
外壳 Case	PC

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