

MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE!

体积小，反应速度快适用于小物体检测抗干扰性强

槽型光电传感器MU-07系列 Slot photoelectric sensor MU-07 series

Small size, fast reaction speed, suitable for small object detection, strong anti-interference



型号说明 Model Explanation

M	U	-07	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: 7-7mm	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

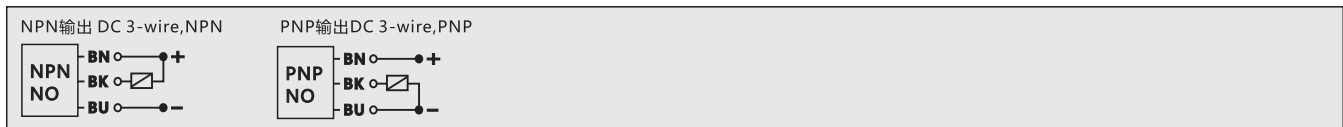
产品种类 Product Category

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-7TNK-Z		7mm	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

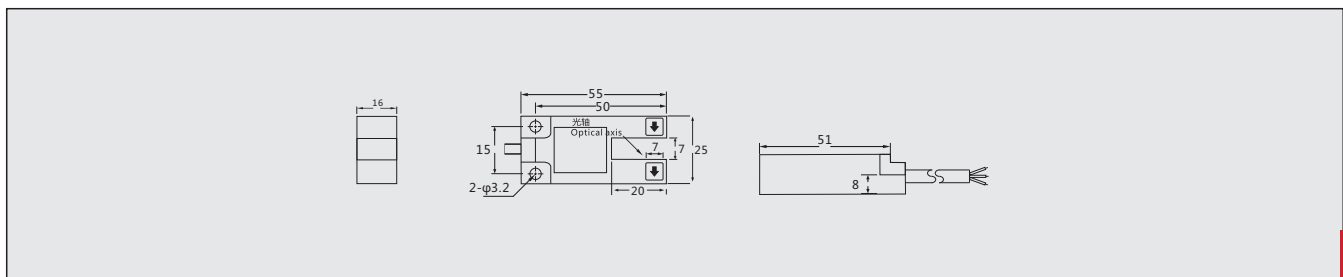
技术规格 Specification

型号 Type	MU-07N/P
电源电压 Voltage	直流:10-30VDC
检测距离 Sensing distance	7mm
光源 Light source	红外发光二极管 Infrared LED
消耗电流 Leakage current	17mA 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:1000lx, 白炽灯 Incandescent lamp:1000lx
环境温度 Ambient temperature	动作时 Operating:-10~+55°C, 保存时 Storage:-25~+70°C (不结冰 with no icing)
环境湿度 Ambient humidity	工作时/保存时 Operating/Storage:35~85%RH/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 / Inclinaton / 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