MUJIE 慕杰®
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圆柱形色标传感器MSB系列
Cylindrical color code sensor MSB series

采用同轴光路反射原理，发射光源采用进口特制聚型LED，并有多种光源可选，以适应不同应用场合，反应快

Adopting the principle of coaxial light path reflection, the emission light source adopts imported special poly led, and there are a variety of light sources available to adapt to different applications, with fast response

▶ 型号说明Model Explanation

M	SB	-B-	N	KB	-Z	-□	-□
基本型号Model M:型号代码 Model code M□: 特殊型号定义 Speciall definition	传感器类别： SB：圆柱形色标传感器 Sensor category: Sb: cylindrical Color code sensor	光源色谱： Light source chromatography B:蓝blue RB:红蓝Red blue G:绿green RG:红绿Red green W:白white BG:蓝绿Blue green R:红red WG:白绿White green WB:白蓝White blue WR:白红White red	输出方式：Output mode N:NPN输出 NPN output	输出状态： Output status: KB:常开常闭 Normally open and normally closed	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

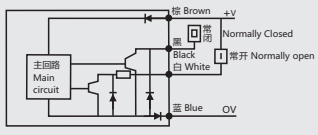
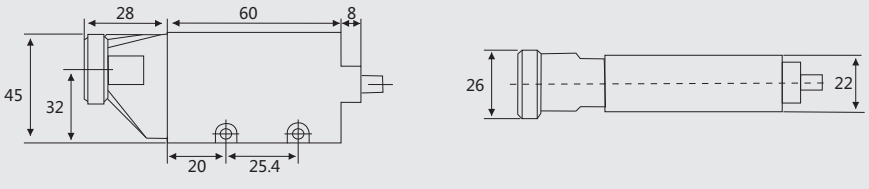
▶ 产品种类Product Category

型号 Model	输出规格 Output configuration	动作状态 Operation mode	连接方式 Connection mode
MSB-B-NKB	输出方式：Output mode N:NPN输出 NPN output	KB:常开常闭 Normally open and normally closed	导线引出/航插

▶ 技术规格Specification

型号Type	MSB-B-NKB
检测方式Detection mode	同轴反射 Coaxial reflection
检测距离Detection distance	10mm±2mm
供电电压VS Supply voltage vs	DC10-30V±10% 波纹＜10% DC10-30V ± 10% ripple ＜ 10%
消耗电流Consumption current	45mA以上 Above 45mA
光源色谱 Light source chromatography	绿、蓝、白、红四款单色光源可选，双色光源红蓝、红绿、蓝绿、白绿、白兰、白红、六款可选 Four monochrome light sources (green, blue, white and red) are available, and six monochrome light sources (red blue, red green, blue green, white green, white blue, white red) are available
光电photoelectricity	φ0.5-φ1.5
检测角度Detection angle	光线与被测物表面垂直，允许偏差±15° The light is perpendicular to the surface of the object to be tested, and the allowable deviation is ± 15 °
响应时间Response time	0.1 - 1m s
输出方式Output mode	亮动、暗动可选 Light and dark motion optional
输出指示Output indication	红色LED Red LED
输出电压Output voltage	高电平Vs(≤1.5) 低电平 (≤1.2) High level Vs (≤ 1.5) Low level (≤ 1.2)
带载电流On load current	200mA(max)
电路保护装置 Circuit protection device	Vs电压有反极性保护，输出有短路保护。当负载电流！＞200mA时开关自动跳开，而在！≤200mA时信号又自动回复。同时具有任意接错线保护。 The Vs voltage has reverse polarity protection and the output has short circuit protection. When the load current! ＞ At 200mA, the switch will automatically open, while at! When ≤ 200mA, the signal will reply automatically. At the same time, it has the protection of arbitrary wrong wiring.
灵敏度sensitivity	单圈可调 Single turn adjustable
抗环境光Anti ambient light	白炽灯＜3000Lx 太阳光10000Lx Incandescent lamp ＜ 3000Lx sunlight 10,000Lx
防护等级Degree of protection	IP67(防潮防尘) IP67 (moisture-proof and dust-proof)
环保温度Environmental protection temperature	操作 operation -15℃ -65℃ 保存 preservation -25℃ -80℃
外壳材料Shell material	塑料 Plastic
引出线Outgoing line	φ5.4PV四芯护线套电缆，标配2M φ 5.4 PV four core sheath cable, standard configuration 2M
重量Weight	约 about 300g

▶ 电路输出方式(示例) Example for output circuit



▶ 安装尺寸图 Mounting Dimensions(单位Unit:mm)