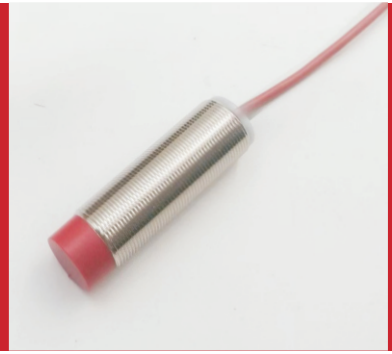# MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE !

一体化设计，在恶劣环境中使用，使用寿命长，可靠性高，短路和反极性连接保护，防水等级高，抗干扰性能好

Integrated design, used in harsh environment, long service life, high reliability, short-circuit and reverse polarity connection protection, high waterproof grade and good anti-interference performance

耐高温传感器MNGW系列
High temperature sensor MNGW series

▶ 型号说明 Model Explanation

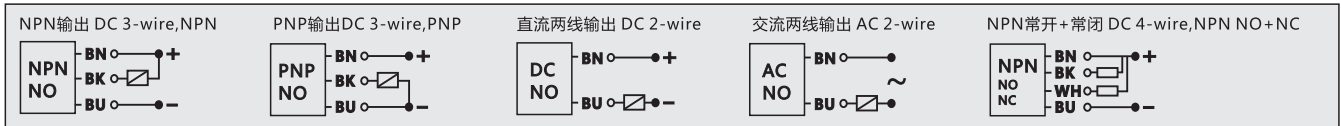| M	NGW	18	-08	N	K	-Z	120	-□	-□
基本型号Model M:型号代码 Model code M□: 特殊型号定义 Speciall definition	传感器类型 Sensor type NGW:常规圆柱形耐高温式 Conventional cylindrical high temperature resistant type	直径OD: 18 18mm	检测距离 Sensing distance : 08:8mm 05:5mm	输出方式Output configuration : N:NPN输出 DC 3-wire,NPN P:PNP输出DC 3-wire,PNP D:直流两线输出 DC 2-wire A:交流两线输出 AC 2-wire	输出状态 Operation mode: K:常开 NO B:常闭 NC	产品等级 Product grade: Z:Z级	100:100℃ 120:120℃	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

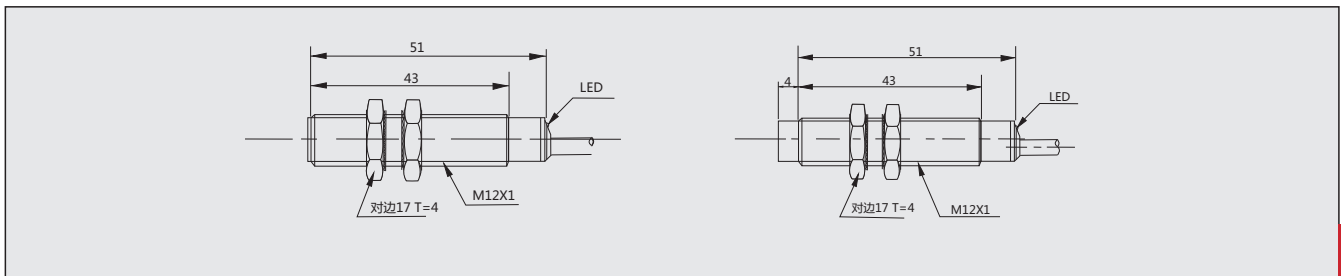| 型号 Model	形状 Appearance	检测距离 Sensing distance	输出规格 Output configuration	动作状态 Operation mode	连接方式 Connection mode
MI18-08NK-Z	非埋入 Unshielded	8MM	N:NPN输出 DC 3-wire,NPN P:PNP输出 DC 3-wire,PNP D:直流两线输出 DC 2-wire A:交流两线输出 AC 2-wire	K:常开 NO B:常闭 NC KB:常开+常闭 NO+NC	导线引出/航插 Cable line/Plug
MI18-05NK-Z	埋入 Shielded	5MM			

▶ 技术规格 Specification

型号Type	MNGW18-08/05N/P/D/A	
电源电压 Voltage	直流NPN/PNP/DC:10-30VDC	交流AC:220VAC
检测距离 Sensing distance	8mm/5mm	
消耗电流 Leakage current	<15mA/ <15mA/<1mA	<3mA
极性保护 Polarity protection	Yes	
工作状态指示灯 Indicator	动作显示(红色LED)　Operation indicator(Red LED)	
环境温度 Ambient temperature	-25~+70℃(不结冰with no icing)	
环境湿度 Ambient humidity	工作时/保存时 Operating/Storage:35~95%RH	
绝缘电阻 Insulation resistance	50MΩ 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	AC2000V max.
重复精度Repeat precision	<3%	
负载电流Load current	<200mA/<200mA/<100mA	<300mA
回差范围Backlash	1-20%	
压降 Drop	<2.5V/<2.5V/<6V	<10V
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	
外壳Case	镍铜合金 Brass-nicke plated	

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

NPN输出 DC 3-wire,NPN	PNP输出DC 3-wire,PNP	直流两线输出 DC 2-wire	交流两线输出 AC 2-wire	NPN常开+常闭 DC 4-wire,NPN NO+NC
NPN NO　BN +　BK　BU −	PNP NO　BN +　BK　BU −	DC NO　BN +　BU −	AC NO　BN　BU ~	NPN NO NC　BN + BK WH BU −

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

51
43
LED
对边17 T=4
M12X1

51
4
43
LED
对边17 T=4
M12X1