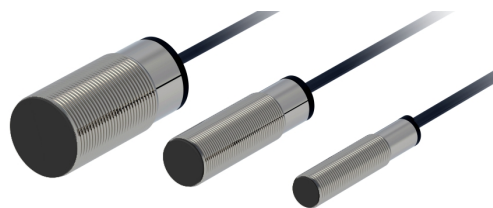


产品特点

- 输出信号与被测的距离有良好的线性, 标准模拟量信号输出;
- 精确测量控制的首选, 广泛应用于距离测量, 厚度测量, 选择测量等;
- 专用IC芯片, 在各种工作环境的高可靠性和高精度;

Product Features

- Output signal and sensing distance with good linearity, standard analogous signal output;
- Best choice for accurate sensing, widely used for distance sensing, thickness detection etc;
- Equipped with professional IC, high stability and accuracy under different working conditions;



额定规格/性能 Ratings and Specifications

项目 Project	尺寸Specification	M12		M18		M30	
	安装方式Mounting	Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)	Flushed(屏蔽)	Non-Flushed(非屏蔽)
	型号 Model	MN12-02BLU/I MN12-02BLUI	MN12-04DLU/I MN12-04DLUI	MN18-05BLU/I MN18-05BLUI	MN18-08DLU/I MN18-08DLUI	MN30-10BLU/I MN30-10BLUI	MN30-15DLU/I MN30-15DLUI
检测距离Sensing distance		0.4……2mm	0.8……4	1……5	2……8	2……10	3……15
回差范围Hysteresis error		±5%					
重复精度Repeat accuracy		< 3% (sensing distance) /(小于检测距离的3%)					
输出方式Output mode		0-10V, 0-20mA或 (0-10V) + (0-20mA) 可选optional					
标准检测体Standard target		12X12X1t		18X18X1t	24X24X1t	30X30X1t	45X45X1t
温度影响Temperature effect		温度范围-25~70℃, +23℃时检测距离±10%以内 -25~70℃, within±10% (+23℃ sensing distance)					
电源电压Power supply		15-30V DC					
消费电流Current consumption		< 20mA					
电压影响Voltage effect		< 3%					
负载电流Load current		电压输出 (Voltage output) R1≥4.7KΩ; 电流输出 (Current output) R1≤470Ω					
回路保护Circuit protection		逆向连接保护 浪涌吸收 Reverse Connection protection, electrical surge absorption					
指示灯Indicator light		黄色指示灯 Yellow LED					
泄漏电流Leakage current		< 100uA					
连接方式Connection		标准导线长2米 Cable (2m)					
环境温度Ambient temperature		使用时及保存时: -25℃~70℃ Work&store: -25℃~70℃					
环境湿度Ambient humidity		使用时及保存时: 35%~95% Work&store: 35%~95%					
振动-耐久Anti-vibration		10~55Hz, 上下振幅 1.5mm, X,Y,Z各向2小时 10~55Hz, Amplitude 1.5mm, X,Y,Z(2H)					
耐电压Withstanding voltage		1000VAC, 50/60Hz 1分钟充电部整体与外壳间 1000VAC, 50/60Hz for 1min between current-carrying parts and case					
绝缘电阻Insulation resistance		50MΩ 以上 (DC500V 兆欧表) 充电部与外壳间 >50MΩ min. (at 500VDC) between current-carrying parts and case					
保护结构protection degree		IEC IP67					
外壳材质Housing material		黄铜镀镍 Nickel-copper alloy					
检测面Sensing face		PBT					

Dimension(尺寸图)
(Unit/单位:mm)

