

Order No.:

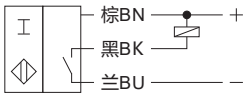
CJMB4-12M-NAH
CJMB4-12M-NBH
CJMB4-12M-PAH
CJMB4-12M-PBH
CJMB4-12M-DAH
CJMB4-12M-DBH

Features

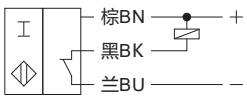
- Special optical design on the product's back cover, providing 360° visible indicator lights.
- Dedicated IC, stable ultra-long detection distance, and strong anti-interference capabilities.
- Detection surface made of oil-resistant, corrosion-resistant material, offering strong environmental resistance.

Wiring

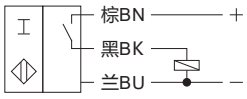
NPN NO (NA)



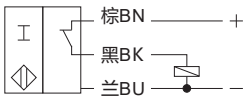
NPN NC (NB)



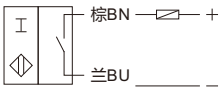
PNP NO (PA)



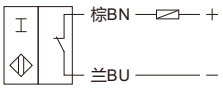
PNP NC (PB)



DC NO (DA)



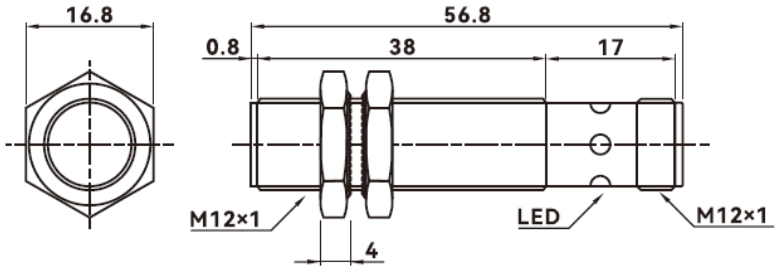
DC NC (DB)



Accessory

Toothed nut *2

Overall dimension



Technical Parameters

General description	
Switch point function	NPN 、PNP、D
Rated operating distance Sn	4mm
Installation	Flush mounting
Standard detector	12*12*1t(Q253A)
Reliable operating distance Sa	0...3.2mm
Rated grade	
Rated voltage U_B	NPN/PNP/D: DC10-30V
Switching frequency f	2.0KHz
Hysteresis range	Within 15% of the detection distance
Repeatability	<3% of detection distance
No load current Io	<12mA
Voltage drop Ud	NPN/PNP:<2V； DC two-wire<3V
Working current IL	NPN/PNP: <200mA, DC two-wire: <100mA
Leakage current Ir	< 100uA
Circuit protection	Reverse polarity protection, short-circuit protection, surge absorption
Switch status indication	Red LED indicator
Surrounding environment	
Ambient temperature	-25℃...70℃ (No icing, no condensation)
Temperature effect	-Within 25 ℃... 70 ℃, within 15% of detection distance at+24 ℃
Ambient humidity	35...95%RH(No condensation)
Influence of voltage	<3%
Mechanical properties	
Wiring	Connector
Shell material	Brass plated with pearl nickel
Sensing surface	PBT
Protection level	IP67
Withstand Voltage	AC 500V , 50/60Hz 1 minute between the whole charging part and the shell
Insulation resistance	≥20 MΩ (DC 500 V with a megohmmeter) between the whole charging part and the shell
Vibration resistance	10～55 Hz, complex amplitude 1.5mm, 2H in X, Y and Z directions
Certification and Standards	
Product certification	CE CCC CQC ISO9001 ISO14001 ISO45001
Unit weight	About 30g

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