Double distance Inductive Proximity Sensor

CJMB0.5-3MM Series



CE CQC ISO9001

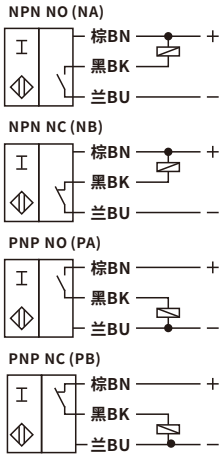
Order No.:

CJMB0.5-3MM-NA
CJMB0.5-3MM-NB
CJMB0.5-3MM-PA
CJMB0.5-3MM-PB

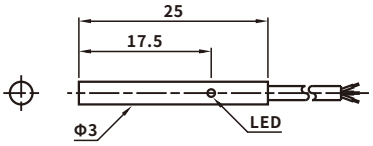
Features

- Small diameter for more convenient use
- Easy installation
- Widely applicable, can replace micro switches and limit switches

Wiring



Overall dimension



Technical Parameters

General description	
Switch point function	NPN 、PNP
Rated operating distance Sn	0.5mm
Installation	Flush mounting
Standard detector	5*5*1t(Q253A)
Reliable operating distance Sa	0...0.4mm
Rated grade	
Rated voltage U_B	DC10...30V(Including fluctuation (p-p) 10%
Switching frequency f	2.0KHz
Hysteresis range	≤ 15% of sensing distance
Repeatability	<3% of detection distance
No load current Io	<5mA
Voltage drop Ud	NPN/PNP:<2V； DC two-wire<4V
Working current IL	＜100mA
Leakage current Ir	＜100uA
Circuit protection	Reverse polarity protection, short-circuit protection
Switching state 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	2m standard cable
Shell material	Stainless steel
Sensing surface	PBT
Protection level	IP66
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 21g

The datasheet is subject to change without notice.
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