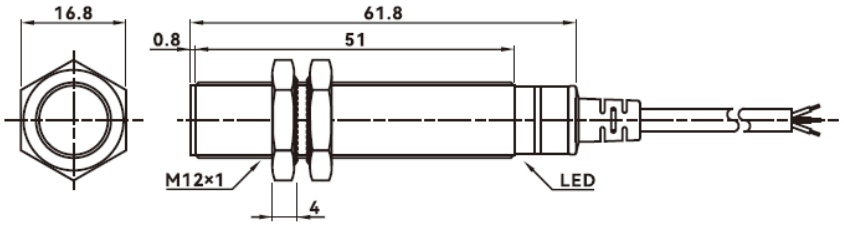


Order No.:

CJMX2-12M-UI

Overall dimension



Features

- Dedicated IC, stable ultra-long detection distance, and strong anti-interference capabilities.
- Uses durable, oil-resistant cables.
- Detection surface made of oil-resistant, corrosion-resistant material, offering strong environmental resistance.

Wiring



Note: Black cable: voltage signal 0–10 V; white cable: current signal 4–20mA.

The analog output inductive sensor enables simple control. It provides current, voltage, and frequency signals proportional to the distance from the target. The output signal is linear with respect to the target distance over the entire measuring range.

Technical Parameters

General description	
Output type	Voltage 0-10V/current 4-20mA
Rated operating distance Sn	0.5...2mm
Installation	Flush mounting
Reliable operating distance Sa	≤(0.81*Sn)mm
Standard detector	12*12*1t(Q253A)
Rated grade	
Rated voltage U_B	DC15-30V
Switching frequency f	0.1KHz
Linearity	≤5%
Repeatability	≤1% of the range |A-B|
No load current Io	<8mA
Ripple voltage	≤10%Ubma
Load resistance/voltage output	≥4.7kΩ
Load resistance/current output	≥0.4kΩ
Circuit protection	Reverse polarity protection
Switch 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	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 68g

Accessory

Toothed nuts *2

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