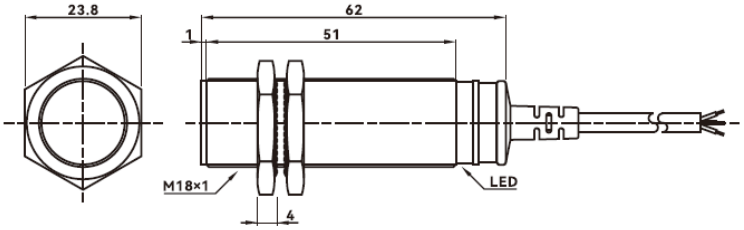


## Order No.:

CJMX5-18M-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 4–20 mA.

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...5mm |
| Installation | Flush mounting |
| Reliable operating distance Sa | ≤(0.81*Sn)mm |
| Standard detector | 18*18*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 115g |

## Accessory

Toothed nuts *2

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