



Order No.:

CJMD12-18M-NA
CJMD12-18M-NB
CJMD12-18M-PA
CJMD12-18M-PB
CJMD12-18M-DA
CJMD12-18M-DB

Features

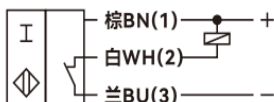
- Special optical design on the product's back cover, providing 360° visible indicator lights.
- Dedicated IC, stable ultra-long detection distance, and strong anti-interference capabilities.
- Detection surface made of oil-resistant, corrosion-resistant material, offering strong environmental resistance.

Wiring

NPN NO (NA)



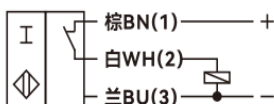
NPN NC (NB)



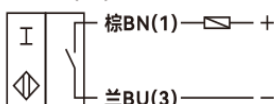
PNP NO (PA)



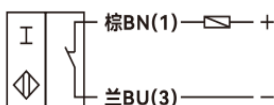
PNP NC (PB)



DC NO (DA)



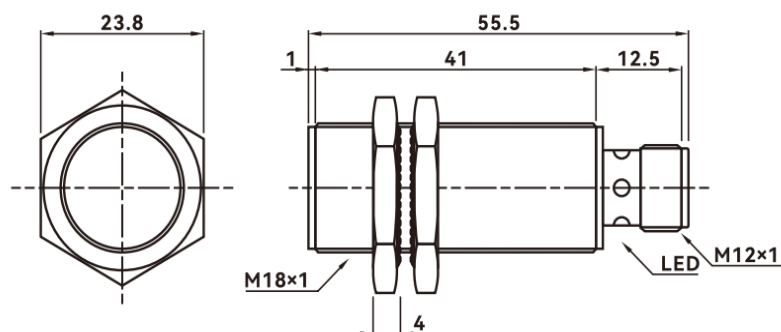
DC NC (DB)



Accessory

Serrated Flange Nuts *2

Overall dimension



Technical Parameters

General description

Switch point function	NPN、PNP、D
Rated operating distance Sn	12mm
Installation	Flush mounting
Standard detector	27*27*1t(Q253A)
Reliable operating distance Sa	0...9.6mm

Rated grade

Rated voltage U_B	DC10...30V(Including fluctuation (p-p) 10%)
Switching frequency f	0.3KHz
Hysteresis range	≤ 15% of sensing distance
Repeatability	<3% of detection distance
No load current I_o	<12mA
Voltage drop U_d	NPN/PNP:<2V; DC two-wire<4V
Working current I_L	<200mA
Leakage current	<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	Plug-in Type
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 52g