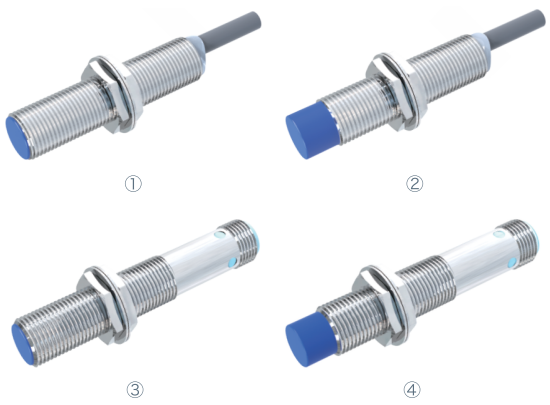
M12 Cylindrical Inductive Proximity Sensor

BIAS-M12-I2F3.0-I2N4.0-V2F3.0-V2N4.0-PC2-S124 series · Operating Voltage: 18...30VDC · Switching Freq.: 100Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **18...30VDC**	SWITCHING FREQ. **100Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M12*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Multiple analog output modes
- Good linearity

MODEL CODES

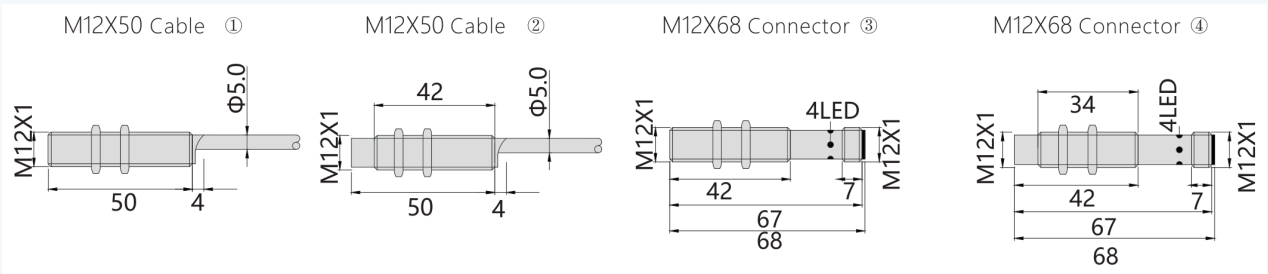
Output Type	①	②	③	④
Analog current 0...20 mA	**BIAS-M12-I2F3.0-PC2** SKU 10103412	**BIAS-M12-I2N4.0-PC2** SKU 10103434	**BIAS-M12-I2F3.0-S124** SKU 10103414	**BIAS-M12-I2N4.0-S124** SKU 10103436
Analog voltage 0...10 V	**BIAS-M12-V2F3.0-PC2** SKU 10103413	**BIAS-M12-V2N4.0-PC2** SKU 10103435	**BIAS-M12-V2F3.0-S124** SKU 10103415	**BIAS-M12-V2N4.0-S124** SKU 10103437

TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	①: 0.1...3.0mm(Flush) ②: 0.1...4.0mm(Non-Flush) ③: 0.1...3.0mm(Flush) ④: 0.1...4.0mm(Non-Flush)
Operating voltage	18...30VDC
Switching frequency	100Hz
Output	0...20mA; <400Ω/0...10VDC; >2000Ω
No-load current	<35mA
Hysteresis	<10%(Sr)
Repeatability	<2%(Sr)
Linear accuracy	<5%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on

LED indicator	None
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection	①: 2m PVC Cable, 3*0.35mm² ②: 2m PVC Cable, 3*0.35mm² ③: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.