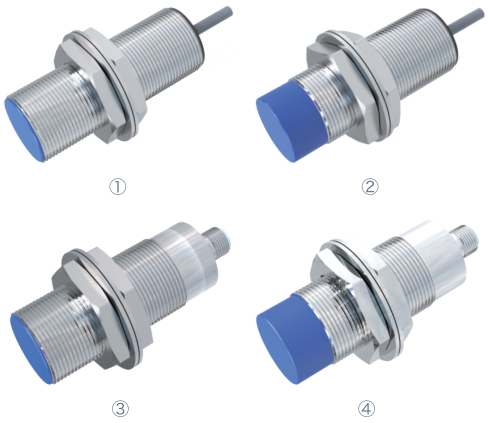
M30 Cylindrical Inductive Proximity Sensor

BIAS-M30-I2F10-I2N14-M2F10-M2N14-V2F10-V2N14-PC2-S124 series · Operating Voltage: 18...30V DC · Switching Freq.: 100Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **18...30V DC**	SWITCHING FREQ. **100Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M30*1.5mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Multiple analog output modes
- Good linearity

MODEL CODES

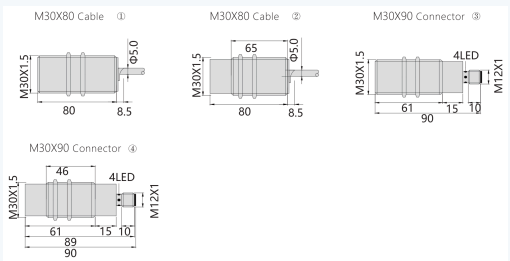
Output Type	①	②	③	④
Analog current 0...20 mA	**BIAS-M30-I2F10-PC2** SKU 10104040	**BIAS-M30-I2N14-PC2** SKU 10104112	**BIAS-M30-I2F10-S124** SKU 10104043	**BIAS-M30-I2N14-S124** SKU 10104115
Analog voltage 0...10 V	**BIAS-M30-V2F10-PC2** SKU 10104041	**BIAS-M30-V2N14-PC2** SKU 10104113	**BIAS-M30-V2F10-S124** SKU 10104044	**BIAS-M30-V2N14-S124** SKU 10104116
Analog current / voltage 0...20 mA / 0...10 V	**BIAS-M30-M2F10-PC2** SKU 10104042	**BIAS-M30-M2N14-PC2** SKU 10104114	**BIAS-M30-M2F10-S124** SKU 10104045	**BIAS-M30-M2N14-S124** SKU 10104117

TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	①: 5.0...10mm(Flush) ②: 7.0...14mm(Non-Flush) ③: 5.0...10mm(Flush) ④: 7.0...14mm(Non-Flush)
Operating voltage	18...30V DC
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*0.35mm²/4*0.25mm² ②: 2m PVC Cable, 3*0.35mm²/4*0.25mm² 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.