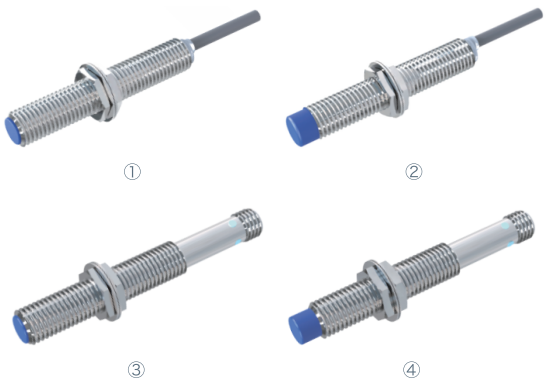
M8 Cylindrical Inductive Proximity Sensor

BIAS-M08-V2F1.5-V2N2.5-PC2-S83 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	M8*1mm
INGRESS PROTECTION	IP67

FEATURES

- Multiple analog output modes
- Good linearity

MODEL CODES

Output Type	①	②	③	④
Analog voltage 0...10 V	BIAS-M08-V2F1.5-PC2 SKU 10103123	BIAS-M08-V2N2.5-PC2 SKU 10103242	BIAS-M08-V2F1.5-S83 SKU 10103125	BIAS-M08-V2N2.5-S83 SKU 10103244

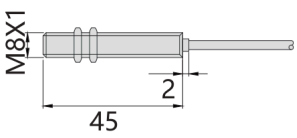
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	①: 0.1...1.5mm(Flush) ②: 0.1...2.5mm(Non-Flush) ③: 0.1...1.5mm(Flush) ④: 0.1...2.5mm(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

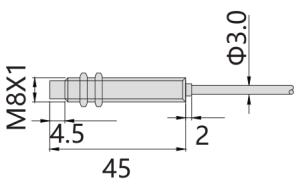
LED indicator	None
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	①: 2m PVC Cable, 3*0.18mm² ②: 2m PVC Cable, 3*0.18mm² ③: M8 Connector ④: M8 Connector
Accessories	①: None ②: None ③: M8 3 pin cable with connector ④: M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

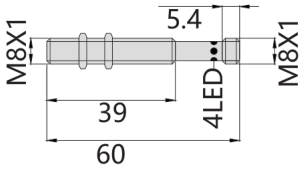
M8X45 Cable ①



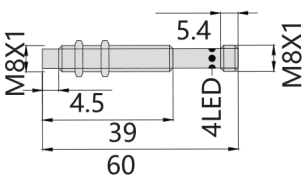
M8X45 Cable ②



M8X60 Connector ③



M8X60 Connector ④



All dimensions in mm.