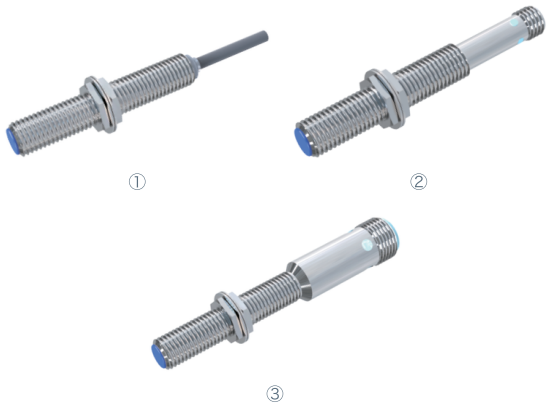
M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-F2.0-PC2-S83-S124 series · Sensing Distance: 2mm(Flush) · Operating Voltage: 10...60VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **2mm(Flush)**	OPERATING VOLTAGE **10...60VDC(±10%)**
SWITCHING FREQ. **1000Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M8*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- Flush mounting
- Mid-range detection
- Multiple connection options available

MODEL CODES

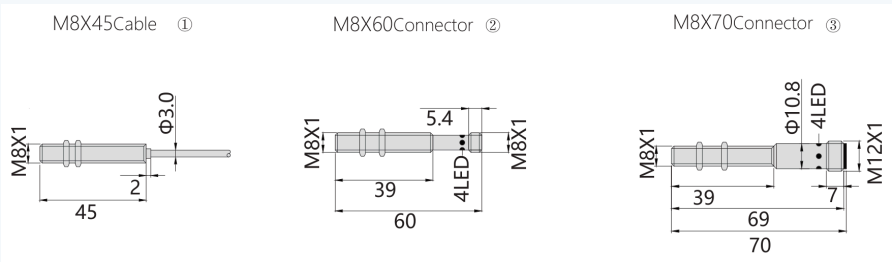
Output Type	①	②	③
N.O	**BIDS-M08-D13F2.0-PC2** SKU 10103235	**BIDS-M08-D13F2.0-S83** SKU 10103237	**BIDS-M08-D13F2.0-S124** SKU 10103239
N.C	**BIDS-M08-D23F2.0-PC2** SKU 10103236	**BIDS-M08-D23F2.0-S83** SKU 10103238	**BIDS-M08-D23F2.0-S124** SKU 10103240

TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	2mm(Flush)
Switching frequency	1000Hz
Operating voltage	10...60VDC(±10%)
Voltage drop	≤4.5V
Load current	100mA
Residual signal	≤0.5mA
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)

Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: Stainless steel ②: Stainless steel ③: Brass, nickel-plated
Sensing face material	POM
Connection	①: 2m PVC Cable, 2*0.25mm² ②: M8 Connector ③: M12 Connector
Accessories	①: None ②: M8 3 pin cable with connector ③: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.