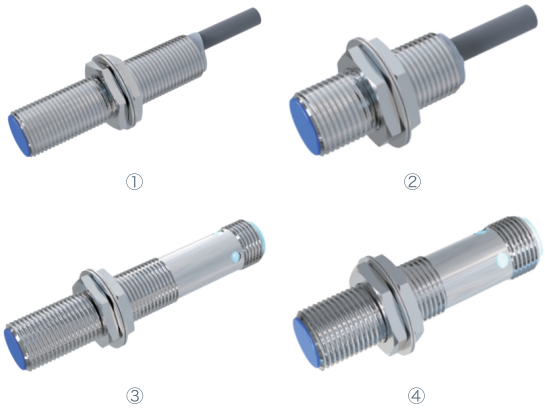
M12 Cylindrical Inductive Proximity Sensor

BIDS-M12-F4.0-PC2-S-S124 series · Sensing Distance: 4mm(Flush) · Operating Voltage: 10...60VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **4mm(Flush)**	OPERATING VOLTAGE **10...60VDC(±10%)**
SWITCHING FREQ. **1000Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M12*1mm**	INGRESS PROTECTION **IP67**

FEATURES

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

MODEL CODES

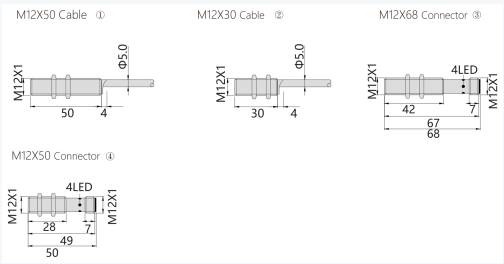
Output Type	①	②	③	④
N.O	BIDS-M12-D13F4.0-PC2 SKU 10103549	BIDS-M12-D13F4.0-PC2-S SKU 10103551	BIDS-M12-D13F4.0-S124 SKU 10103553	BIDS-M12-D13F4.0-S124-S SKU 10103555
N.C	BIDS-M12-D23F4.0-PC2 SKU 10103550	BIDS-M12-D23F4.0-PC2-S SKU 10103552	BIDS-M12-D23F4.0-S124 SKU 10103554	BIDS-M12-D23F4.0-S124-S SKU 10103556

TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	4mm(Flush)
Switching frequency	1000Hz
Operating voltage	10...60VDC(±10%)
Voltage drop	≤4.5V
Load current	200mA
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	Brass, nickel-plated
Sensing face material	PBT
Connection	①: 2m PVC Cable, 2*0.5mm² ②: 2m PVC Cable, 2*0.5mm² 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.