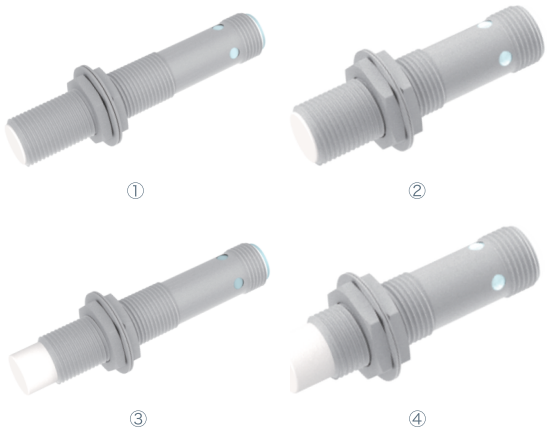
M12 Cylindrical Inductive Proximity Sensor

BIDT-M12-F4.0-N8.0-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 3000Hz / 500Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **3000Hz / 500Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M12*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Teflon-coated housing
- Proof to strong magnetic interference
- High resistance to interference and welding slags splashing

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDT-M12-N11F4.0-S124** SKU 10103479	**BIDT-M12-N11F4.0-S124-S** SKU 10103483	**BIDT-M12-N11N8.0-S124** SKU 10103609	**BIDT-M12-N11N8.0-S124-S** SKU 10103613
NPN N.C	**BIDT-M12-N21F4.0-S124** SKU 10103480	**BIDT-M12-N21F4.0-S124-S** SKU 10103484	**BIDT-M12-N21N8.0-S124** SKU 10103610	**BIDT-M12-N21N8.0-S124-S** SKU 10103614
PNP N.O	**BIDT-M12-P11F4.0-S124** SKU 10103481	**BIDT-M12-P11F4.0-S124-S** SKU 10103485	**BIDT-M12-P11N8.0-S124** SKU 10103611	**BIDT-M12-P11N8.0-S124-S** SKU 10103615
PNP N.C	**BIDT-M12-P21F4.0-S124** SKU 10103482	**BIDT-M12-P21F4.0-S124-S** SKU 10103486	**BIDT-M12-P21N8.0-S124** SKU 10103612	**BIDT-M12-P21N8.0-S124-S** SKU 10103616

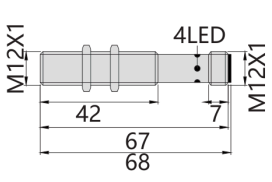
TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	①: 4mm(Flush) ②: 4mm(Flush) ③: 8mm(Non-Flush) ④: 8mm(Non-Flush)
Switching frequency	①: 3000Hz ②: 3000Hz ③: 500Hz ④: 500Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

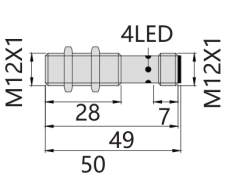
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, Teflon-plated
Sensing face material	PTFE
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

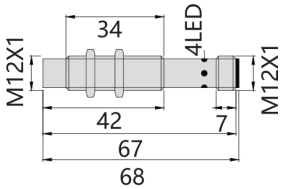
M12X68 Connector ①



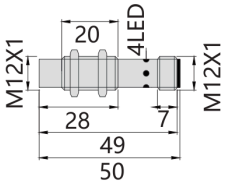
M12X50 Connector ②



M12X68 Connector ③



M12X50 Connector ④



All dimensions in mm.