M12 Cylindrical Inductive Proximity Sensor

BIDS-M12-N10-N8.0-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 500Hz / 400Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **500Hz / 400Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M12*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Non-flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
NPN N.O	BIDS-M12-N11N8.0-S124 SKU 10103625	BIDS-M12-N11N10-S124 SKU 10103653	BIDS-M12-N11N8.0-S124-S SKU 10103629	BIDS-M12-N11N10-S124-S SKU 10103657
NPN N.C	BIDS-M12-N21N8.0-S124 SKU 10103626	BIDS-M12-N21N10-S124 SKU 10103654	BIDS-M12-N21N8.0-S124-S SKU 10103630	BIDS-M12-N21N10-S124-S SKU 10103658
PNP N.O	BIDS-M12-P11N8.0-S124 SKU 10103627	BIDS-M12-P11N10-S124 SKU 10103655	BIDS-M12-P11N8.0-S124-S SKU 10103631	BIDS-M12-P11N10-S124-S SKU 10103659
PNP N.C	BIDS-M12-P21N8.0-S124 SKU 10103628	BIDS-M12-P21N10-S124 SKU 10103656	BIDS-M12-P21N8.0-S124-S SKU 10103632	BIDS-M12-P21N10-S124-S SKU 10103660

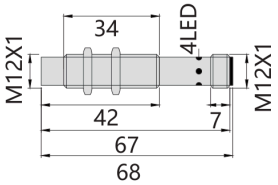
TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	①: 8mm(Non-Flush) ②: 10mm(Non-Flush) ③: 8mm(Non-Flush) ④: 10mm(Non-Flush)
Switching frequency	①: 500Hz ②: 400Hz ③: 500Hz ④: 400Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

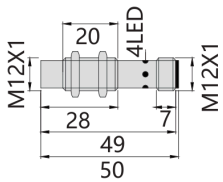
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection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

DIMENSIONAL DRAWINGS

M12X68 Connector ①②



M12X50 Connector ③④



All dimensions in mm.