M12 Cylindrical Inductive Proximity Sensor

BIDS-M12-N10-N8.0-PC2-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-PC2 SKU 10103617	BIDS-M12-N11N10-PC2 SKU 10103645	BIDS-M12-N11N8.0-PC2-S SKU 10103621	BIDS-M12-N11N10-PC2-S SKU 10103649
NPN N.C	BIDS-M12-N21N8.0-PC2 SKU 10103618	BIDS-M12-N21N10-PC2 SKU 10103646	BIDS-M12-N21N8.0-PC2-S SKU 10103622	BIDS-M12-N21N10-PC2-S SKU 10103650
PNP N.O	BIDS-M12-P11N8.0-PC2 SKU 10103619	BIDS-M12-P11N10-PC2 SKU 10103647	BIDS-M12-P11N8.0-PC2-S SKU 10103623	BIDS-M12-P11N10-PC2-S SKU 10103651
PNP N.C	BIDS-M12-P21N8.0-PC2 SKU 10103620	BIDS-M12-P21N10-PC2 SKU 10103648	BIDS-M12-P21N8.0-PC2-S SKU 10103624	BIDS-M12-P21N10-PC2-S SKU 10103652

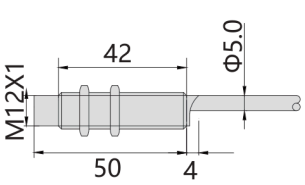
TECHNICAL DATA

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)

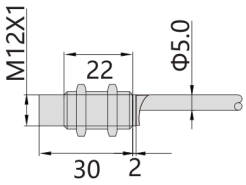
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS

M12X50 Cable ①②



M12X30 Cable ③④



All dimensions in mm.