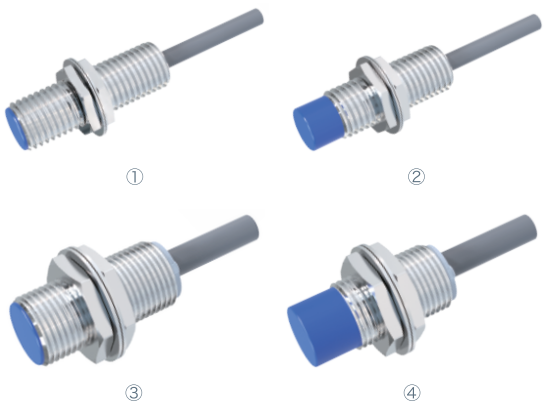
M8 / M12 Cylindrical Inductive Proximity Sensor

BIDS-M08-M12-NA10F1.0-NA10F2.0-NA10N2.0-NA10N4.0-PC2 series · Operating Voltage: 6...12VDC(±10%) · Switching Freq.: 2000Hz / 1000Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE 6...12VDC(±10%)	SWITCHING FREQ. 2000Hz / 1000Hz
AMBIENT TEMP. -25...70°C	HOUSING M8*1mm / M12*1mm
INGRESS PROTECTION IP67	

FEATURES

- NAMUR DC 2 wire
- Switching output

MODEL CODES

Output Type	①	②	③	④
NAMUR	BIDS-M08-NA10F1.0-PC2 SKU 10103121	BIDS-M08-NA10N2.0-PC2 SKU 10103170	BIDS-M12-NA10F2.0-PC2 SKU 10103399	BIDS-M12-NA10N4.0-PC2 SKU 10103438

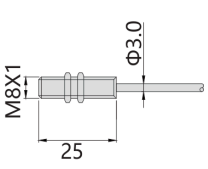
TECHNICAL DATA

Exterior structure	①: M8*1mm ②: M8*1mm ③: M12*1mm ④: M12*1mm
Sensing distance	①: 1mm(Flush) ②: 2mm(Non-Flush) ③: 2mm(Flush) ④: 4mm(Non-Flush)
Switching frequency	①: 2000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz
Operating voltage	6...12VDC(±10%)
Load current	>2.2mA(OFF),<1.1mA(ON)
Hysteresis	<15%(Sr)
Repeatability	<2.0%(Sr)
Power-on delay	≤10ms
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on

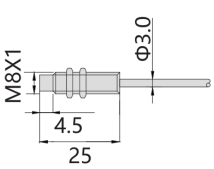
LED indicator	None
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: Stainless steel ②: Stainless steel ③: Brass, nickel-plated ④: Brass, nickel-plated
Sensing face material	①: POM ②: POM ③: PBT ④: PBT
Connection	①: 2m PVC Cable, 2*0.25mm² ②: 2m PVC Cable, 2*0.25mm² ③: 2m PVC Cable, 2*0.5mm² ④: 2m PVC Cable, 2*0.5mm²
Accessories	None

DIMENSIONAL DRAWINGS

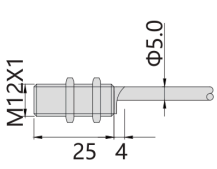
M8X25 Cable ①



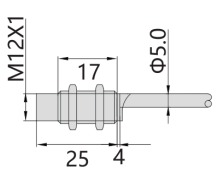
M8X25 Cable ②



M12X25 Cable ③



M12X25 Cable ④



All dimensions in mm.