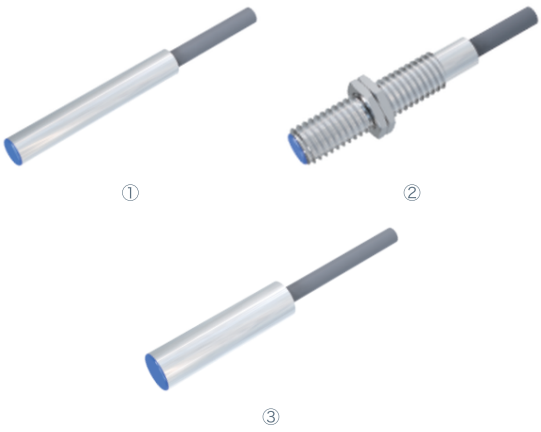
Φ4 / M5 / Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q04-M05-Q6.5-NA10F0.8-NA10F1.0-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 **Φ4mm / M5*1mm / Φ6.5mm**
INGRESS PROTECTION **IP67**	

FEATURES

- NAMUR DC 2 wire
- Switching output

MODEL CODES

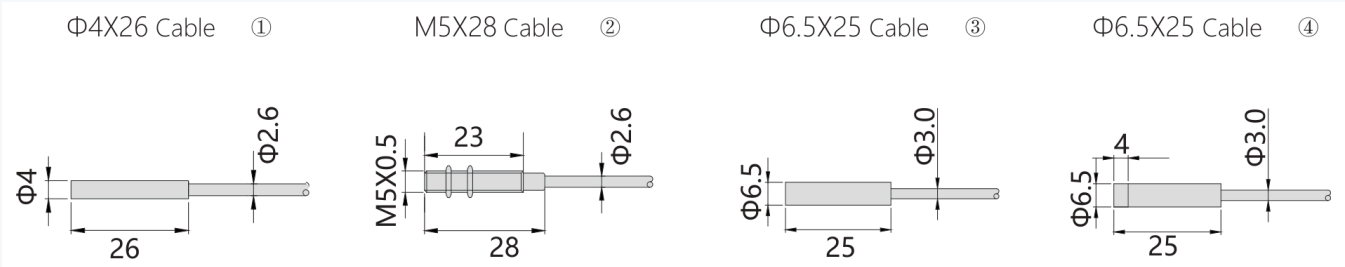
Output Type	Φ4mm ①	M5*1mm ②	Φ6.5mm ③
NAMUR	**BIDS-Q04-NA10F0.8-PC2** SKU 10102929	**BIDS-M05-NA10F0.8-PC2** SKU 10102946	**BIDS-Q6.5-NA10F1.0-PC2** SKU 10103007

TECHNICAL DATA

Exterior structure	Φ4mm M5*1mm Φ6.5mm
Sensing distance	**Φ4mm:** 0.8mm(Flush) **M5*1mm:** 0.8mm(Flush) **Φ6.5mm:** 1mm(Flush)
Switching frequency	**Φ4mm:** 2000Hz **M5*1mm:** 2000Hz **Φ6.5mm:** 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	Stainless steel
Sensing face material	POM
Connection	**Φ4mm:** 2m PVC Cable, 2*0.18mm² **M5*1mm:** 2m PVC Cable, 2*0.18mm² **Φ6.5mm:** 2m PVC Cable, 2*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.