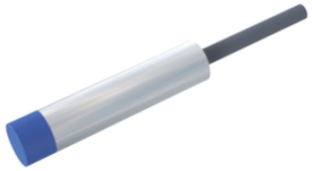
Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q6.5-N4.0-N6.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz / 500Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **1000Hz / 500Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **Φ6.5mm**
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-Q6.5-N11N4.0-PC2** SKU 10103085	**BIDS-Q6.5-N11N6.0-PC2** SKU 10103105	**BIDS-Q6.5-N11N4.0-PC2-S** SKU 10103089	**BIDS-Q6.5-N11N6.0-PC2-S** SKU 10103109
NPN N.C	**BIDS-Q6.5-N21N4.0-PC2** SKU 10103086	**BIDS-Q6.5-N21N6.0-PC2** SKU 10103106	**BIDS-Q6.5-N21N4.0-PC2-S** SKU 10103090	**BIDS-Q6.5-N21N6.0-PC2-S** SKU 10103110
PNP N.O	**BIDS-Q6.5-P11N4.0-PC2** SKU 10103087	**BIDS-Q6.5-P11N6.0-PC2** SKU 10103107	**BIDS-Q6.5-P11N4.0-PC2-S** SKU 10103091	**BIDS-Q6.5-P11N6.0-PC2-S** SKU 10103111
PNP N.C	**BIDS-Q6.5-P21N4.0-PC2** SKU 10103088	**BIDS-Q6.5-P21N6.0-PC2** SKU 10103108	**BIDS-Q6.5-P21N4.0-PC2-S** SKU 10103092	**BIDS-Q6.5-P21N6.0-PC2-S** SKU 10103112

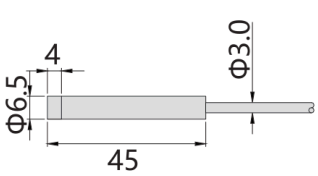
TECHNICAL DATA

Exterior structure	Φ6.5mm
Sensing distance	①: 4mm(Non-Flush) ②: 6mm(Non-Flush) ③: 4mm(Non-Flush) ④: 6mm(Non-Flush)
Switching frequency	①: 1000Hz ②: 500Hz ③: 1000Hz ④: 500Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

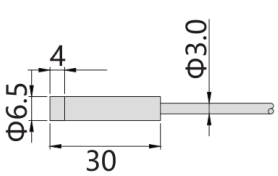
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	2m PVC Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS

Φ6.5X45 Cable ①②



Φ6.5X30 Cable ③④



All dimensions in mm.