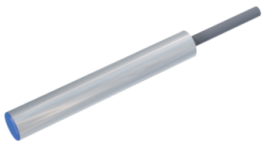
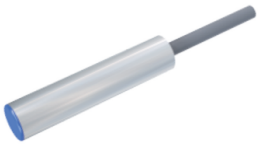
Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q6.5-F2.0-F3.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	AMBIENT TEMP. **-25...70°C**
HOUSING **Φ6.5mm**	INGRESS PROTECTION **IP67**

FEATURES

- Flush mounting
- High response frequency
- Multiple connection options available

MODEL CODES

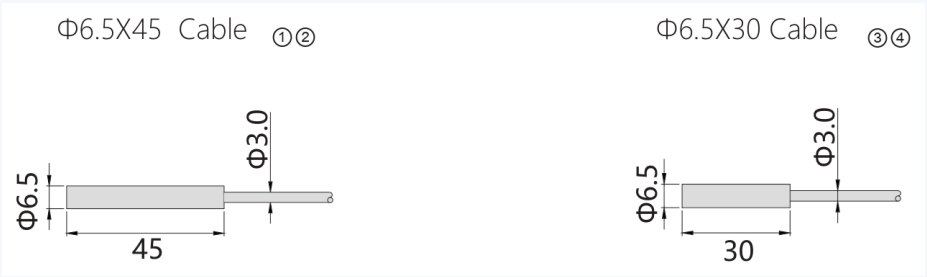
Output Type	①	②	③	④
NPN N.O	BIDS-Q6.5-N11F2.0-PC2 SKU 10103009	BIDS-Q6.5-N11F3.0-PC2 SKU 10103049	BIDS-Q6.5-N11F2.0-PC2-S SKU 10103013	BIDS-Q6.5-N11F3.0-PC2-S SKU 10103053
NPN N.C	BIDS-Q6.5-N21F2.0-PC2 SKU 10103010	BIDS-Q6.5-N21F3.0-PC2 SKU 10103050	BIDS-Q6.5-N21F2.0-PC2-S SKU 10103014	BIDS-Q6.5-N21F3.0-PC2-S SKU 10103054
PNP N.O	BIDS-Q6.5-P11F2.0-PC2 SKU 10103011	BIDS-Q6.5-P11F3.0-PC2 SKU 10103051	BIDS-Q6.5-P11F2.0-PC2-S SKU 10103015	BIDS-Q6.5-P11F3.0-PC2-S SKU 10103055
PNP N.C	BIDS-Q6.5-P21F2.0-PC2 SKU 10103012	BIDS-Q6.5-P21F3.0-PC2 SKU 10103052	BIDS-Q6.5-P21F2.0-PC2-S SKU 10103016	BIDS-Q6.5-P21F3.0-PC2-S SKU 10103056

TECHNICAL DATA

Exterior structure	Φ6.5mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz
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



All dimensions in mm.