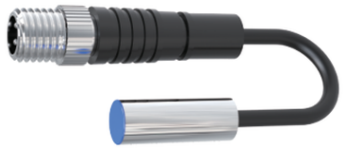
Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q6.5-F2.0-F3.0-Z83-R-T series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz / 1000Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **2000Hz / 1000Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **Φ6.5mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Flush mounting
- High response frequency
- Super-short installation size

MODEL CODES

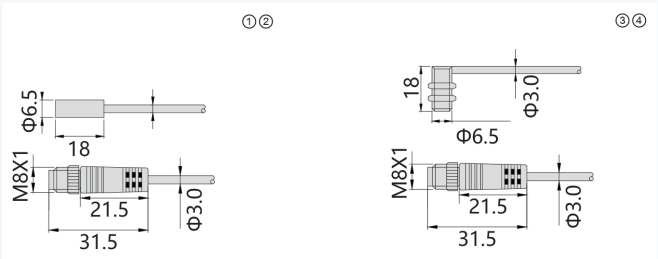
Output Type	①	②	③	④
NPN N.O	**BIDS-Q6.5-N11F2.0-Z83-R** SKU 10103037	**BIDS-Q6.5-N11F3.0-Z83-R** SKU 10103077	**BIDS-Q6.5-N11F2.0-Z83-T** SKU 10103041	**BIDS-Q6.5-N11F3.0-Z83-T** SKU 10103081
NPN N.C	**BIDS-Q6.5-N21F2.0-Z83-R** SKU 10103038	**BIDS-Q6.5-N21F3.0-Z83-R** SKU 10103078	**BIDS-Q6.5-N21F2.0-Z83-T** SKU 10103042	**BIDS-Q6.5-N21F3.0-Z83-T** SKU 10103082
PNP N.O	**BIDS-Q6.5-P11F2.0-Z83-R** SKU 10103039	**BIDS-Q6.5-P11F3.0-Z83-R** SKU 10103079	**BIDS-Q6.5-P11F2.0-Z83-T** SKU 10103043	**BIDS-Q6.5-P11F3.0-Z83-T** SKU 10103083
PNP N.C	**BIDS-Q6.5-P21F2.0-Z83-R** SKU 10103040	**BIDS-Q6.5-P21F3.0-Z83-R** SKU 10103080	**BIDS-Q6.5-P21F2.0-Z83-T** SKU 10103044	**BIDS-Q6.5-P21F3.0-Z83-T** SKU 10103084

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: 2000Hz 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	M8, 0.3m Cable with connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.