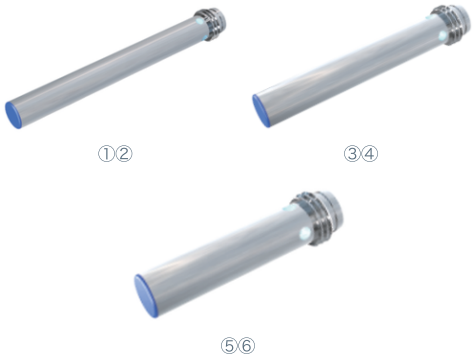
Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q6.5-F2.0-F3.0-S83-S-R series · Operating Voltage: 10...30VDC(±10%) · Ambient Temp.: -25...70°C

IP67
Ingress Protection



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	⑤	⑥
NPN N.O	**BIDS-Q6.5-N11F2.0-S83** SKU 10103025	**BIDS-Q6.5-N11F3.0-S83** SKU 10103057	**BIDS-Q6.5-N11F2.0-S83-S** SKU 10103029	**BIDS-Q6.5-N11F3.0-S83-S** SKU 10103061	**BIDS-Q6.5-N11F2.0-S83-R** SKU 10103033	**BIDS-Q6.5-N11F3.0-S83-R** SKU 10103065
NPN N.C	**BIDS-Q6.5-N21F2.0-S83** SKU 10103026	**BIDS-Q6.5-N21F3.0-S83** SKU 10103058	**BIDS-Q6.5-N21F2.0-S83-S** SKU 10103030	**BIDS-Q6.5-N21F3.0-S83-S** SKU 10103062	**BIDS-Q6.5-N21F2.0-S83-R** SKU 10103034	**BIDS-Q6.5-N21F3.0-S83-R** SKU 10103066
PNP N.O	**BIDS-Q6.5-P11F2.0-S83** SKU 10103027	**BIDS-Q6.5-P11F3.0-S83** SKU 10103059	**BIDS-Q6.5-P11F2.0-S83-S** SKU 10103031	**BIDS-Q6.5-P11F3.0-S83-S** SKU 10103063	**BIDS-Q6.5-P11F2.0-S83-R** SKU 10103035	**BIDS-Q6.5-P11F3.0-S83-R** SKU 10103067
PNP N.C	**BIDS-Q6.5-P21F2.0-S83** SKU 10103028	**BIDS-Q6.5-P21F3.0-S83** SKU 10103060	**BIDS-Q6.5-P21F2.0-S83-S** SKU 10103032	**BIDS-Q6.5-P21F3.0-S83-S** SKU 10103064	**BIDS-Q6.5-P21F2.0-S83-R** SKU 10103036	**BIDS-Q6.5-P21F3.0-S83-R** SKU 10103068

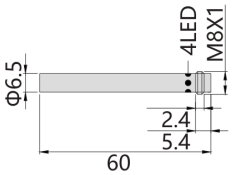
TECHNICAL DATA

Exterior structure	Φ6.5mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush) ⑤: 2mm(Flush) ⑥: 3mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz ⑤: 2000Hz ⑥: 1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA

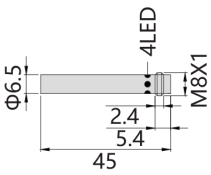
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	M8 Connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

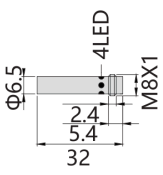
Φ6.5X60 Connector ①②



Φ6.5X45 Connector ③④



Φ6.5X32 Connector ⑤⑥



All dimensions in mm.