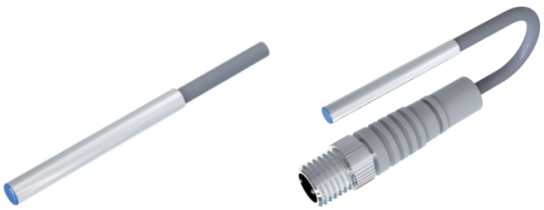
Φ3 Cylindrical Inductive Proximity Sensor

BIDS-Q03-F0.6-PC2-Z83 series · Sensing Distance: 0.6mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **0.6mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **2000Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **Φ3mm**	INGRESS PROTECTION **IP67**

FEATURES

- Miniature proximity sensor Micro IC circuit Can be installed in narrow and confined spaces

MODEL CODES

Output Type	①	②
NPN N.O	**BIDS-Q03-N11F0.6-PC2** SKU 10102905	**BIDS-Q03-N11F0.6-Z83** SKU 10102909
NPN N.C	**BIDS-Q03-N21F0.6-PC2** SKU 10102906	**BIDS-Q03-N21F0.6-Z83** SKU 10102910
PNP N.O	**BIDS-Q03-P11F0.6-PC2** SKU 10102907	**BIDS-Q03-P11F0.6-Z83** SKU 10102911
PNP N.C	**BIDS-Q03-P21F0.6-PC2** SKU 10102908	**BIDS-Q03-P21F0.6-Z83** SKU 10102912

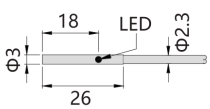
TECHNICAL DATA

Exterior structure	Φ3mm
Sensing distance	0.6mm(Flush)
Switching frequency	2000Hz
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

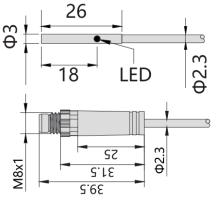
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	①: 2m PVC Cable, 3*0.15mm² ②: M8, 0.3m Cable with connector
Accessories	①: None ②: M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

Φ3X26 Cable ①



Φ3X26 Cable with connector ②



All dimensions in mm.