Φ6.5 Cylindrical Inductive Proximity Sensor

BIDS-Q6.5-F2.0-PC2-S83 series · Sensing Distance: 2mm(Flush) · Operating Voltage: 10...60VDC(±10%)

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE **2mm(Flush)**	OPERATING VOLTAGE **10...60VDC(±10%)**
SWITCHING FREQ. **1000Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **Φ6.5mm**	INGRESS PROTECTION **IP67**

FEATURES

- Flush mounting
- Mid-range detection
- Multiple connection options available

MODEL CODES

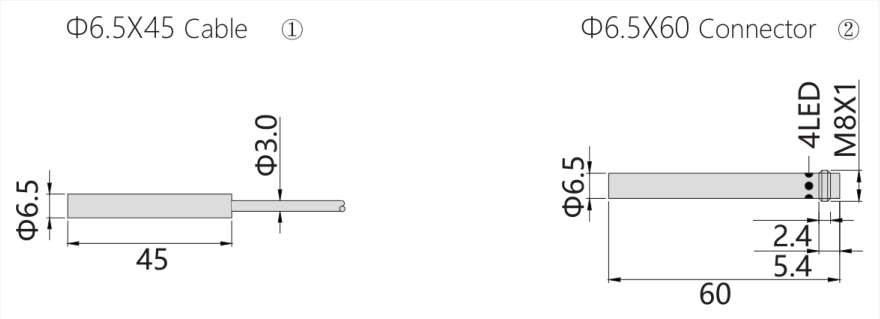
Output Type	①	②
N.O	**BIDS-Q6.5-D13F2.0-PC2** SKU 10103045	**BIDS-Q6.5-D13F2.0-S83** SKU 10103047
N.C	**BIDS-Q6.5-D23F2.0-PC2** SKU 10103046	**BIDS-Q6.5-D23F2.0-S83** SKU 10103048

TECHNICAL DATA

Exterior structure	Φ6.5mm
Sensing distance	2mm(Flush)
Switching frequency	1000Hz
Operating voltage	10...60VDC(±10%)
Voltage drop	≤4.5V
Load current	100mA
Residual signal	≤0.5mA
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, 2*0.25mm² ②: M8 Connector
Accessories	①: None ②: M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.