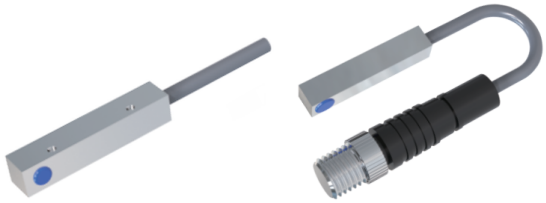
Q5 Rectangular Inductive Proximity Sensor

BIDS-R05-F0.8-F1.2-PC2-Z83 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz

IP67
Ingress Protection



①② ③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **2000Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **5*5*26mm**
INGRESS PROTECTION **IP67**	

FEATURES

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

MODEL CODES

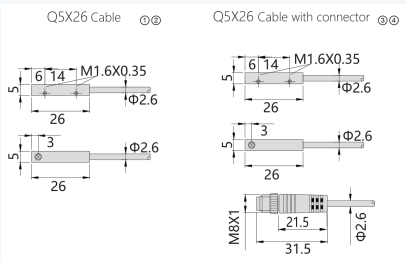
Output Type	①	②	③	④
NPN N.O	**BIDS-R05-N11F0.8-PC2** SKU 10104346	**BIDS-R05-N11F1.2-PC2** SKU 10104354	**BIDS-R05-N11F0.8-Z83** SKU 10104350	**BIDS-R05-N11F1.2-Z83** SKU 10104358
NPN N.C	**BIDS-R05-N21F0.8-PC2** SKU 10104347	**BIDS-R05-N21F1.2-PC2** SKU 10104355	**BIDS-R05-N21F0.8-Z83** SKU 10104351	**BIDS-R05-N21F1.2-Z83** SKU 10104359
PNP N.O	**BIDS-R05-P11F0.8-PC2** SKU 10104348	**BIDS-R05-P11F1.2-PC2** SKU 10104356	**BIDS-R05-P11F0.8-Z83** SKU 10104352	**BIDS-R05-P11F1.2-Z83** SKU 10104360
PNP N.C	**BIDS-R05-P21F0.8-PC2** SKU 10104349	**BIDS-R05-P21F1.2-PC2** SKU 10104357	**BIDS-R05-P21F0.8-Z83** SKU 10104353	**BIDS-R05-P21F1.2-Z83** SKU 10104361

TECHNICAL DATA

Size	5*5*26mm
Sensing distance	①: 0.8mm(Flush) ②: 1.2mm(Flush) ③: 0.8mm(Flush) ④: 1.2mm(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	Brass, nickel-plated
Sensing face material	POM
Connection	①: 2m PVC Cable, 3*0.15mm² ②: 2m PVC Cable, 3*0.15mm² ③: M8, 0.3m Cable with connector ④: M8, 0.3m Cable with connector
Accessories	①: None ②: None ③: M8 3 pin cable with connector ④: M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.