Q8 Rectangular Inductive Proximity Sensor

BIDS-R08-N11F2.0-S83 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz / 1000Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **2000Hz / 1000Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **8*8*60mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Flush mounting
- High response frequency
- Suitable for various applications

MODEL CODES

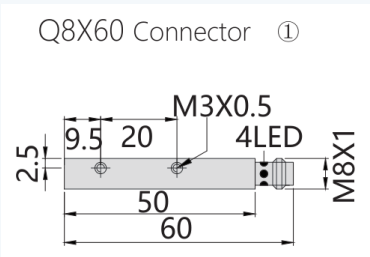
Output Type		
NPN N.O	**BIDS-R08-N11F2.0-S83** SKU 10104370	**BIDP-R08-N11F3.0-S83** SKU 10104390
NPN N.C	**BIDS-R08-N21F2.0-S83** SKU 10104371	**BIDP-R08-N21F3.0-S83** SKU 10104391
PNP N.O	**BIDS-R08-P11F2.0-S83** SKU 10104372	**BIDP-R08-P11F3.0-S83** SKU 10104392
PNP N.C	**BIDS-R08-P21F2.0-S83** SKU 10104373	**BIDP-R08-P21F3.0-S83** SKU 10104393

TECHNICAL DATA

Size	8*8*60mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush)
Switching frequency	①: 2000Hz ②: 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	Brass, nickel-plated
Sensing face material	POM
Connection	M8 Connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.