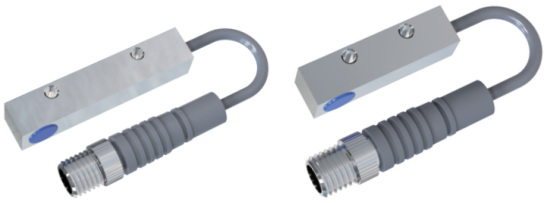
Q8 Rectangular Inductive Proximity Sensor

BIDS-R08-N11F2.0-Z83 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz / 1000Hz

IP67
Ingress Protection



①② ③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **2000Hz / 1000Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **8*8*40mm / 8*8*30mm**
INGRESS PROTECTION **IP67**	

FEATURES

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

MODEL CODES

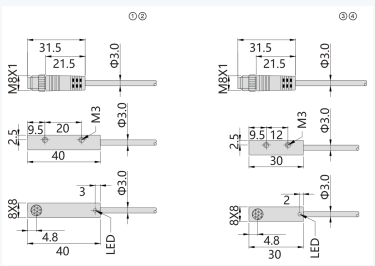
Output Type	①	②	③	④
NPN N.O	**BIDS-R08-N11F2.0-Z83** SKU 10104374	**BIDP-R08-N11F3.0-Z83** SKU 10104402	**BIDS-R08-N11F2.0-Z83-S** SKU 10104378	**BIDP-R08-N11F3.0-Z83-S** SKU 10104406
NPN N.C	**BIDS-R08-N21F2.0-Z83** SKU 10104375	**BIDP-R08-N21F3.0-Z83** SKU 10104403	**BIDS-R08-N21F2.0-Z83-S** SKU 10104379	**BIDP-R08-N21F3.0-Z83-S** SKU 10104407
PNP N.O	**BIDS-R08-P11F2.0-Z83** SKU 10104376	**BIDP-R08-P11F3.0-Z83** SKU 10104404	**BIDS-R08-P11F2.0-Z83-S** SKU 10104380	**BIDP-R08-P11F3.0-Z83-S** SKU 10104408
PNP N.C	**BIDS-R08-P21F2.0-Z83** SKU 10104377	**BIDP-R08-P21F3.0-Z83** SKU 10104405	**BIDS-R08-P21F2.0-Z83-S** SKU 10104381	**BIDP-R08-P21F3.0-Z83-S** SKU 10104409

TECHNICAL DATA

Size	①: 8*8*40mm ②: 8*8*40mm ③: 8*8*30mm ④: 8*8*30mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush)
Switching frequency	①: 2000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	<2.0V
Load current	200mA
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, 0.3m Cable with connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.