Q8 Rectangular Inductive Proximity Sensor

BIDS-R08-N11F2.0-PC2 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

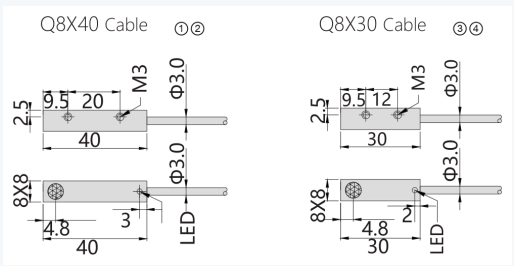
Output Type	①	②	③	④
NPN N.O	BIDS-R08-N11F2.0-PC2 SKU 10104362	BIDP-R08-N11F3.0-PC2 SKU 10104394	BIDS-R08-N11F2.0-PC2-S SKU 10104366	BIDP-R08-N11F3.0-PC2-S SKU 10104398
NPN N.C	BIDS-R08-N21F2.0-PC2 SKU 10104363	BIDP-R08-N21F3.0-PC2 SKU 10104395	BIDS-R08-N21F2.0-PC2-S SKU 10104367	BIDP-R08-N21F3.0-PC2-S SKU 10104399
PNP N.O	BIDS-R08-P11F2.0-PC2 SKU 10104364	BIDP-R08-P11F3.0-PC2 SKU 10104396	BIDS-R08-P11F2.0-PC2-S SKU 10104368	BIDP-R08-P11F3.0-PC2-S SKU 10104400
PNP N.C	BIDS-R08-P21F2.0-PC2 SKU 10104365	BIDP-R08-P21F3.0-PC2 SKU 10104397	BIDS-R08-P21F2.0-PC2-S SKU 10104369	BIDP-R08-P21F3.0-PC2-S SKU 10104401

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	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	2m PVC Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.