Q10 / Q12 / Q15 Rectangular Inductive Proximity Sensor

BIDP-R10-F2.0-F4.0-N5.0-PC2 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz / 500Hz

IP67
Ingress Protection



① ② ③

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **1000Hz / 500Hz**
AMBIENT TEMP. **-25...70°C**	INGRESS PROTECTION **IP67**

FEATURES

- Plastic housing
- Wide detection range
- Suitable for various applications

MODEL CODES

Output Type	①	②	③
NPN N.O	**BIDP-R10-N11F2.0-PC2** SKU 10104410	**BIDP-R12-N11F4.0-PC2** SKU 10104414	**BIDP-R15-N11N5.0-PC2** SKU 10104418
NPN N.C	**BIDP-R10-N21F2.0-PC2** SKU 10104411	**BIDP-R12-N21F4.0-PC2** SKU 10104415	**BIDP-R15-N21N5.0-PC2** SKU 10104419
PNP N.O	**BIDP-R10-P11F2.0-PC2** SKU 10104412	**BIDP-R12-P11F4.0-PC2** SKU 10104416	**BIDP-R15-P11N5.0-PC2** SKU 10104420
PNP N.C	**BIDP-R10-P21F2.0-PC2** SKU 10104413	**BIDP-R12-P21F4.0-PC2** SKU 10104417	**BIDP-R15-P21N5.0-PC2** SKU 10104421

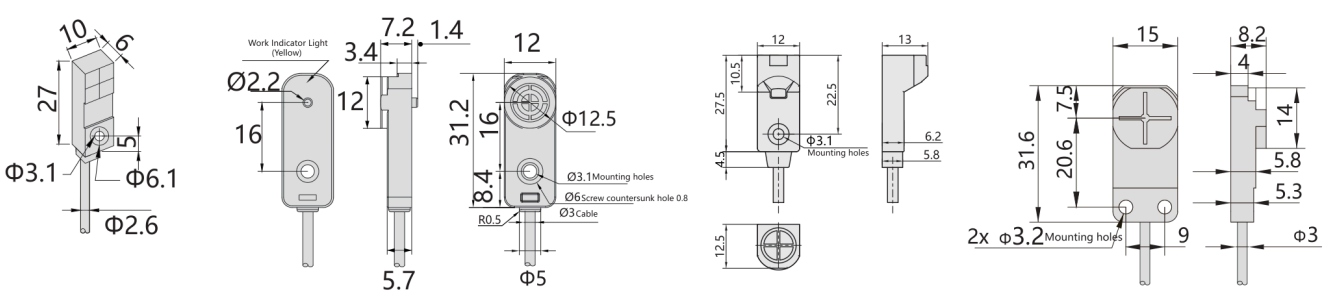
TECHNICAL DATA

Size	①: 10*6*27mm ②: 12*7.2*31.2mm ③: 15*8.2*31.6mm
Sensing distance	①: 2mm(Flush) ②: 4mm(Flush) ③: 5mm(Non-Flush)
Switching frequency	①: 1000Hz ②: 1000Hz ③: 500Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V

Load current	①: 100mA ②: 200mA ③: 200mA
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: PP ②: ABS ③: ABS
Sensing face material	①: PP ②: ABS ③: ABS

DIMENSIONAL DRAWINGS

Q10 Cable ① Q12 Cable ② Q13 Cable ③ Q15 Cable ④



All dimensions in mm.