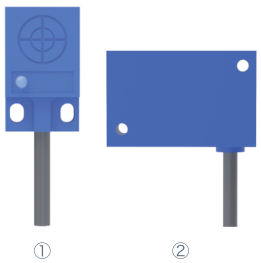
Q18 / Q25 Rectangular Inductive Proximity Sensor

BIDP-R18-F2.0-F4.0-PC2 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

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

FEATURES

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

MODEL CODES

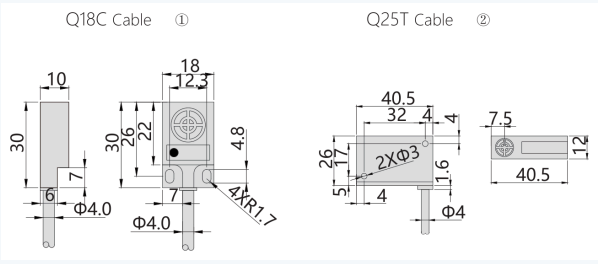
Output Type	①	②
NPN N.O	**BIDP-R18-N11F4.0-PC2** SKU 10104472	**BIDP-R25-N11F2.0-PC2** SKU 10104476
NPN N.C	**BIDP-R18-N21F4.0-PC2** SKU 10104473	**BIDP-R25-N21F2.0-PC2** SKU 10104477
PNP N.O	**BIDP-R18-P11F4.0-PC2** SKU 10104474	**BIDP-R25-P11F2.0-PC2** SKU 10104478
PNP N.C	**BIDP-R18-P21F4.0-PC2** SKU 10104475	**BIDP-R25-P21F2.0-PC2** SKU 10104479

TECHNICAL DATA

Size	①: 18*10*30mm ②: 40.5*12*26mm
Sensing distance	①: 4mm(Flush) ②: 2mm(Flush)
Switching frequency	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	ABS
Sensing face material	ABS
Connection	2m PVC Cable, 3*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.