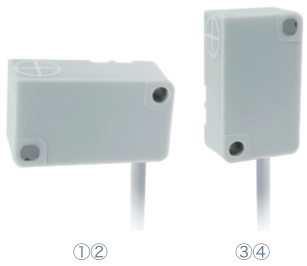
Q28 Rectangular Inductive Proximity Sensor

BIDP-R28-N4.0-N6.0-PC2-T series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz / 500Hz

IP67
Ingress Protection



①② ③④

KEY SPECIFICATIONS

OPERATING VOLTAGE	10...30VDC(±10%)
SWITCHING FREQ.	1000Hz / 500Hz
AMBIENT TEMP.	-25...70°C
HOUSING	15.8*10.3*27.8mm
INGRESS PROTECTION	IP67

FEATURES

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

MODEL CODES

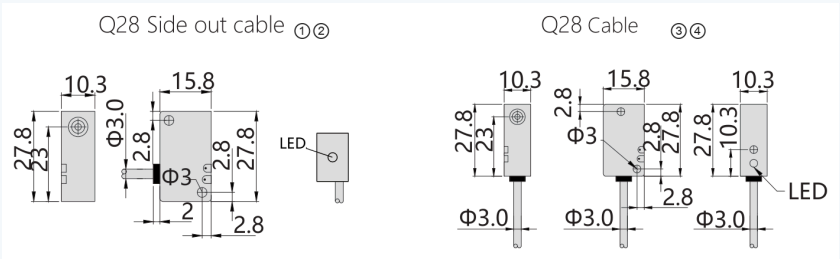
Output Type	①	②	③	④
NPN N.O	BIDP-R28-N11N4.0-PC2-T SKU 10104444	BIDP-R28-N11N6.0-PC2-T SKU 10104448	BIDP-R28-N11N4.0-PC2 SKU 10104440	BIDP-R28-N11N6.0-PC2 SKU 10104452
NPN N.C	BIDP-R28-N21N4.0-PC2-T SKU 10104445	BIDP-R28-N21N6.0-PC2-T SKU 10104449	BIDP-R28-N21N4.0-PC2 SKU 10104441	BIDP-R28-N21N6.0-PC2 SKU 10104453
PNP N.O	BIDP-R28-P11N4.0-PC2-T SKU 10104446	BIDP-R28-P11N6.0-PC2-T SKU 10104450	BIDP-R28-P11N4.0-PC2 SKU 10104442	BIDP-R28-P11N6.0-PC2 SKU 10104454
PNP N.C	BIDP-R28-P21N4.0-PC2-T SKU 10104447	BIDP-R28-P21N6.0-PC2-T SKU 10104451	BIDP-R28-P21N4.0-PC2 SKU 10104443	BIDP-R28-P21N6.0-PC2 SKU 10104455

TECHNICAL DATA

Size	15.8*10.3*27.8mm
Sensing distance	①: 4mm(Non-Flush) ②: 6mm(Non-Flush) ③: 4mm(Non-Flush) ④: 6mm(Non-Flush)
Switching frequency	①: 1000Hz ②: 500Hz ③: 1000Hz ④: 500Hz
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	PBT
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.