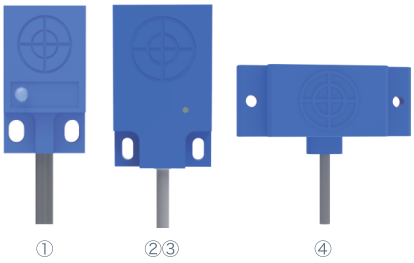
Q18 / Q30 / Q34 Rectangular Capacitive Proximity Sensor

BCDP-R18-F6.0-N10-N4.0-PC2 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 100Hz

IP65
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **100Hz**
AMBIENT TEMP. **-25...70°C**	INGRESS PROTECTION **IP65**

FEATURES

- Potentiometer for sensitivity adjustment
- Detecting non-metals
- Detection of non-metallic objects depends on the dielectric constant of the object

MODEL CODES

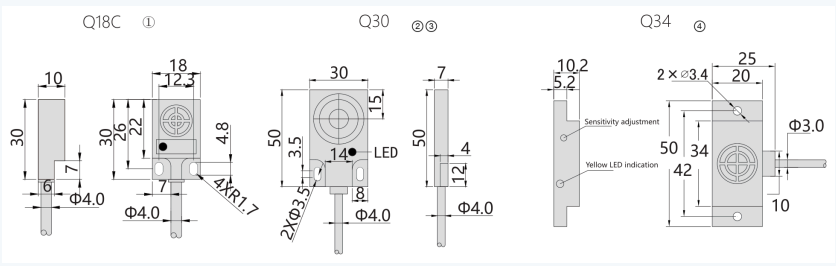
Output Type	①	②	③	④
NPN N.O	**BCDP-R18-N11N4.0-PC2** SKU 10102877	**BCDP-R30-N11F6.0-PC2** SKU 10102881	**BCDP-R30-N11N10-PC2** SKU 10102885	**BCDP-R34-N11N10-PC2** SKU 10102889
NPN N.C	**BCDP-R18-N21N4.0-PC2** SKU 10102878	**BCDP-R30-N21F6.0-PC2** SKU 10102882	**BCDP-R30-N21N10-PC2** SKU 10102886	**BCDP-R34-N21N10-PC2** SKU 10102890
PNP N.O	**BCDP-R18-P11N4.0-PC2** SKU 10102879	**BCDP-R30-P11F6.0-PC2** SKU 10102883	**BCDP-R30-P11N10-PC2** SKU 10102887	**BCDP-R34-P11N10-PC2** SKU 10102891
PNP N.C	**BCDP-R18-P21N4.0-PC2** SKU 10102880	**BCDP-R30-P21F6.0-PC2** SKU 10102884	**BCDP-R30-P21N10-PC2** SKU 10102888	**BCDP-R34-P21N10-PC2** SKU 10102892

TECHNICAL DATA

Size	①: 30*18*10mm ②: 50*30*7mm ③: 50*30*7mm ④: 50X20X10.2mm
Sensing distance	①: 4mm(Non-Flush) ②: 6mm(Flush) ③: 10mm(Non-Flush) ④: 10mm(Non-Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	①: ≤2.5VDC ②: ≤2VDC ③: ≤2VDC ④: ≤2VDC
Load current	①: ≤200mA ②: ≤200mA ③: ≤200mA ④: ≤100mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)

Repeatability	<5.0%(Sr)
Sensitivity adjustment	Multi-loop potentiometer
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	IP65
Housing material	①: ABS ②: PBT ③: PBT ④: ABS
Sensing face material	①: ABS ②: PBT ③: PBT ④: ABS
Connection	2m PVC Cable,3*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.