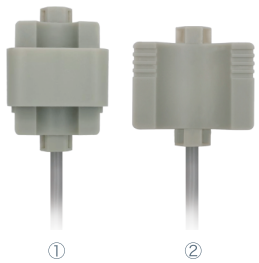
Q25 / Q33 Rectangular Capacitive Proximity Sensor

BCDP-R20-F3.0-PC2 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 100Hz

IP66
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **100Hz**
AMBIENT TEMP. **-25...70°C**	INGRESS PROTECTION **IP66**

FEATURES

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

MODEL CODES

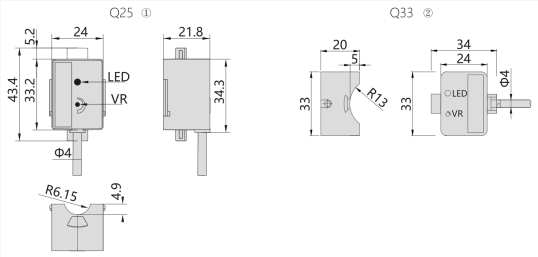
Output Type	43.4X24X21.8mm ①	33X24X20mm ②
NPN N.O	**BCDP-R20-N11F3.0-PC2** SKU 10102869	**BCDP-R33-N11F3.0-PC2** SKU 10102873
NPN N.C	**BCDP-R20-N21F3.0-PC2** SKU 10102870	**BCDP-R33-N21F3.0-PC2** SKU 10102874
PNP N.O	**BCDP-R20-P11F3.0-PC2** SKU 10102871	**BCDP-R33-P11F3.0-PC2** SKU 10102875
PNP N.C	**BCDP-R20-P21F3.0-PC2** SKU 10102872	**BCDP-R33-P21F3.0-PC2** SKU 10102876

TECHNICAL DATA

Size	43.4X24X21.8mm 33X24X20mm
Sensing distance	**43.4X24X21.8mm:** 3mm(Suitable for φ8...11 mm pipe)(Flush) **33X24X20mm:** 3mm(Suitable for φ12...26 mm pipe)(Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤1VDC
Load current	≤200mA
No-load current	≤12mA(24V)
Hysteresis	<15%(Sr)

Repeatability	<5.0%(Sr)
Switch protection	Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP66
Housing material	ABS
Sensing face material	ABS
Connection	2m PVC Cable, 3*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.