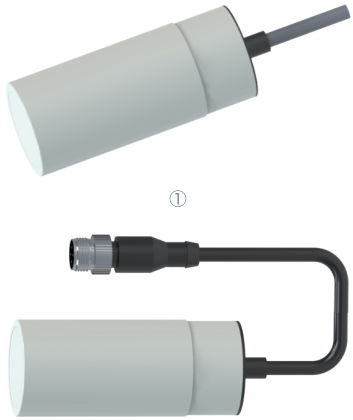
Φ34 Cylindrical Capacitive Proximity Sensor

BCDP-Q34-F25-PC2-Z124 series · Sensing Distance: 25mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



①

②

KEY SPECIFICATIONS

SENSING DISTANCE **25mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **Φ34mm**	INGRESS PROTECTION **IP67**

FEATURES

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

MODEL CODES

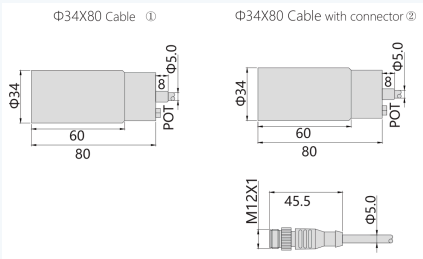
Output Type	①	②
NPN N.O	**BCDP-Q34-N11F25-PC2** SKU 10102769	**BCDP-Q34-N11F25-Z124** SKU 10102773
NPN N.C	**BCDP-Q34-N21F25-PC2** SKU 10102770	**BCDP-Q34-N21F25-Z124** SKU 10102774
PNP N.O	**BCDP-Q34-P11F25-PC2** SKU 10102771	**BCDP-Q34-P11F25-Z124** SKU 10102775
PNP N.C	**BCDP-Q34-P21F25-PC2** SKU 10102772	**BCDP-Q34-P21F25-Z124** SKU 10102776

TECHNICAL DATA

Exterior structure	Φ34mm
Sensing distance	25mm(Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2VDC
Load current	200mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)
Repeatability	<5.0%(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	①: 2m PVC Cable, 3*0.35mm² ②: M12, 0.3m Cable with connector
Accessories	①: None ②: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.