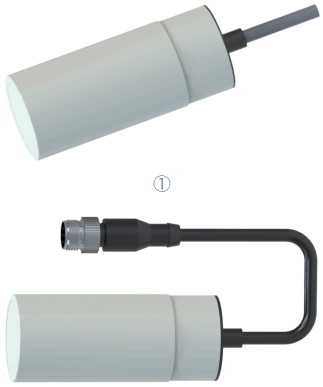
Φ34 Cylindrical Capacitive Proximity Sensor

BCDP-Q34-A14F25-A24F25-U15F25-U25F25-PC2-Z124 series · Sensing Distance: 25mm(Flush) · Switching Freq.: 25Hz/25Hz AC,40Hz DC

IP67
Ingress Protection



①

②

KEY SPECIFICATIONS

SENSING DISTANCE	25mm(Flush)
SWITCHING FREQ.	25Hz/25Hz AC,40Hz DC
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

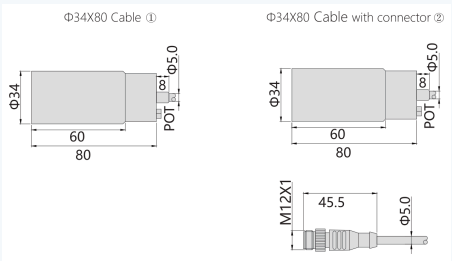
Output Type	①	②
AC type — 20...250V AC · 25Hz		
N.O	BCDP-Q34-A14F25-PC2 SKU 10102849	BCDP-Q34-A14F25-Z124 SKU 10102853
N.C	BCDP-Q34-A24F25-PC2 SKU 10102850	BCDP-Q34-A24F25-Z124 SKU 10102854
AC/DC type — 20...250V AC/DC · 25Hz AC,40Hz DC		
N.O	BCDP-Q34-U15F25-PC2 SKU 10102851	BCDP-Q34-U15F25-Z124 SKU 10102855
N.C	BCDP-Q34-U25F25-PC2 SKU 10102852	BCDP-Q34-U25F25-Z124 SKU 10102856

TECHNICAL DATA

Exterior structure	Φ34mm
Sensing distance	25mm(Flush)
Switching frequency	AC: 25Hz · AC/DC: 25Hz AC,40Hz DC
Operating voltage	AC: 20...250V AC · AC/DC: 20...250V AC/DC
Voltage drop	<9V AC(300mA)/<10V AC,<8V DC
Load current	Max.load: 300mA; min.Load: 5mA Max.load: 200mA; min.Load: 5mA
Residual signal	<2.5mA
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, 2*0.5mm² ②: M12, 0.3m Cable with connector
Accessories	①: None ②: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.