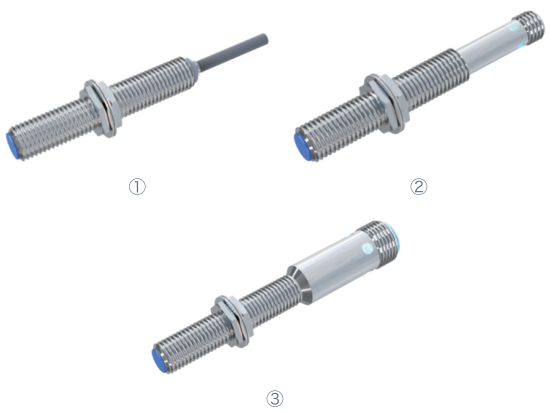
M8 Cylindrical Capacitive Proximity Sensor

BCDS-M08-F1.0-PC2-S83-S124 series · Sensing Distance: 1mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **1mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M8*1mm**	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

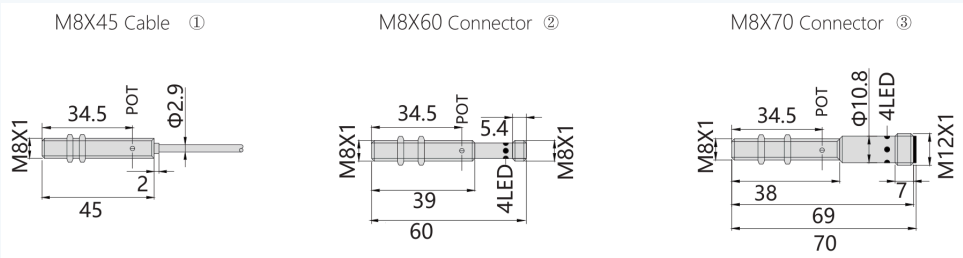
Output Type	①	②	③
NPN N.O	**BCDS-M08-N11F1.0-PC2** SKU 10102617	**BCDS-M08-N11F1.0-S83** SKU 10102621	**BCDS-M08-N11F1.0-S124** SKU 10102625
NPN N.C	**BCDS-M08-N21F1.0-PC2** SKU 10102618	**BCDS-M08-N21F1.0-S83** SKU 10102622	**BCDS-M08-N21F1.0-S124** SKU 10102626
PNP N.O	**BCDS-M08-P11F1.0-PC2** SKU 10102619	**BCDS-M08-P11F1.0-S83** SKU 10102623	**BCDS-M08-P11F1.0-S124** SKU 10102627
PNP N.C	**BCDS-M08-P21F1.0-PC2** SKU 10102620	**BCDS-M08-P21F1.0-S83** SKU 10102624	**BCDS-M08-P21F1.0-S124** SKU 10102628

TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	1mm(Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2VDC
Load current	100mA
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	Brass, nickel-plated
Sensing face material	POM
Connection	①: 2m PVC Cable, 3*0.18mm² ②: M8 Connector ③: M12 Connector
Accessories	①: None ②: M8 3 pin cable with connector ③: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.