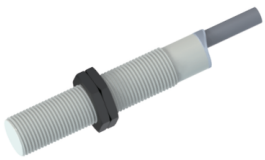
M12 Cylindrical Capacitive Proximity Sensor

BCDS-M12-N11F3.0-PC2 series · Sensing Distance: 3mm · Operating Voltage: 10...30VDC

IP67
Ingress Protection



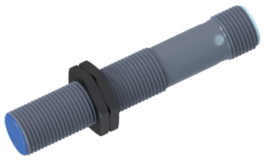
①



②



③



④

KEY SPECIFICATIONS

SENSING DISTANCE **3mm**	OPERATING VOLTAGE **10...30VDC**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
INGRESS PROTECTION **IP67**	

FEATURES

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

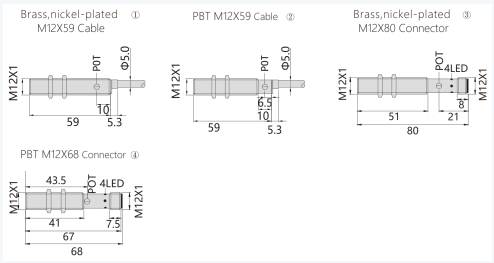
MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BCDS-M12-N11F3.0-PC2** SKU 10102641	**BCDP-M12-N11F3.0-PC2** SKU 10102645	**BCDS-M12-N11F3.0-S124** SKU 10102649	**BCDP-M12-N11F3.0-S124** SKU 10102653
NPN N.C	**BCDS-M12-N21F3.0-PC2** SKU 10102642	**BCDP-M12-N21F3.0-PC2** SKU 10102646	**BCDS-M12-N21F3.0-S124** SKU 10102650	**BCDP-M12-N21F3.0-S124** SKU 10102654
PNP N.O	**BCDS-M12-P11F3.0-PC2** SKU 10102643	**BCDP-M12-P11F3.0-PC2** SKU 10102647	**BCDS-M12-P11F3.0-S124** SKU 10102651	**BCDP-M12-P11F3.0-S124** SKU 10102655
PNP N.C	**BCDS-M12-P21F3.0-PC2** SKU 10102644	**BCDP-M12-P21F3.0-PC2** SKU 10102648	**BCDS-M12-P21F3.0-S124** SKU 10102652	**BCDP-M12-P21F3.0-S124** SKU 10102656

TECHNICAL DATA

Sensing distance	3mm
Switching frequency	100Hz
Operating voltage	10...30VDC
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: Brass, nickel-plated ②: PBT ③: Brass, nickel-plated ④: PBT
Connection	①: 2m PVC Cable, 3*0.35mm² ②: 2m PVC Cable, 3*0.35mm² ③: 2m PVC Cable, 3*0.35mm² ④: Connector
Accessories	①: None ②: None ③: None ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.