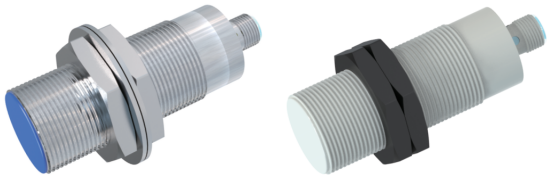
M30 Cylindrical Capacitive Proximity Sensor

BCDS-M30-N11F20-S124 series · Sensing Distance: 20mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **20mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M30*1.5mm**	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	**BCDS-M30-N11F20-S124** SKU 10102745	**BCDP-M30-N11F20-S124** SKU 10102749
NPN N.C	**BCDS-M30-N21F20-S124** SKU 10102746	**BCDP-M30-N21F20-S124** SKU 10102750
PNP N.O	**BCDS-M30-P11F20-S124** SKU 10102747	**BCDP-M30-P11F20-S124** SKU 10102751
PNP N.C	**BCDS-M30-P21F20-S124** SKU 10102748	**BCDP-M30-P21F20-S124** SKU 10102752

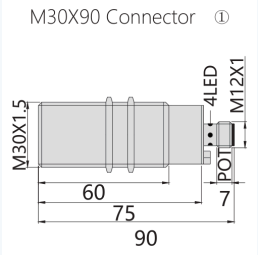
TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	20mm(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	①: Brass, nickel-plated ②: PBT
Sensing face material	PBT
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M30X90 Connector ①



All dimensions in mm.