M18 Cylindrical Capacitive Proximity Sensor

BCDS-M18-N11F8.0-S124 series · Sensing Distance: 8mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE **8mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M18*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
NPN N.O	**BCDS-M18-N11F8.0-S124** SKU 10102697	**BCDP-M18-N11F8.0-S124** SKU 10102701
NPN N.C	**BCDS-M18-N21F8.0-S124** SKU 10102698	**BCDP-M18-N21F8.0-S124** SKU 10102702
PNP N.O	**BCDS-M18-P11F8.0-S124** SKU 10102699	**BCDP-M18-P11F8.0-S124** SKU 10102703
PNP N.C	**BCDS-M18-P21F8.0-S124** SKU 10102700	**BCDP-M18-P21F8.0-S124** SKU 10102704

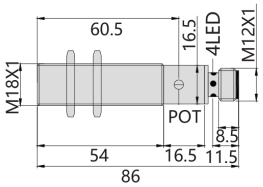
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	8mm(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

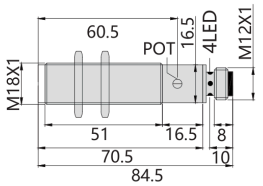
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: Brass, nickel-plated ②: PBT
Sensing face material	PBT
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

Brass,nickel-plated ①
M18X86 Connector



PBT M18X84.5 Connector ②



All dimensions in mm.