M12 Cylindrical Inductive Proximity Sensor

BIDH-M12-F2.0-F4.0-G2-120 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 500Hz / 150Hz

IP66
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **500Hz / 150Hz**
HOUSING **M12*1mm**	INGRESS PROTECTION **IP66**

FEATURES

- High-precision stand-alone operation
- Built-in non-adjustable high precision amplifier
- Ambient temperature -25 ° C ~ 230 ° C

MODEL CODES

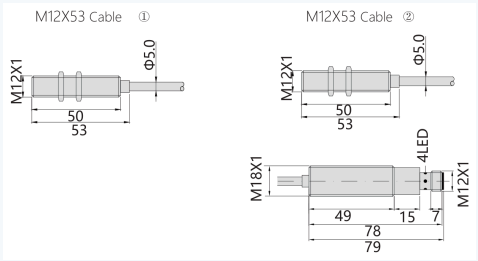
Output Type		
NPN N.O	**BIDH-M12-N11F2.0-G2-120** SKU 10103400	**BIDH-M12-N11F4.0-G2-120** SKU 10103507
NPN N.C	**BIDH-M12-N21F2.0-G2-120** SKU 10103401	**BIDH-M12-N21F4.0-G2-120** SKU 10103508
PNP N.O	**BIDH-M12-P11F2.0-G2-120** SKU 10103402	**BIDH-M12-P11F4.0-G2-120** SKU 10103509
PNP N.C	**BIDH-M12-P21F2.0-G2-120** SKU 10103403	**BIDH-M12-P21F4.0-G2-120** SKU 10103510

TECHNICAL DATA

Ambient temperature	①: -25...120°C ②: -25...150°C/180°C/230°C
Exterior structure	M12*1mm
Sensing distance	①: 2mm(Flush) ②: 4mm(Flush)
Switching frequency	①: 500Hz ②: 150Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Amplifier	①: None ②: External
Load current	①: 200mA/24V DC ②: 200mA
No-load current	①: ≤10mA(24V) ②: ≤25mA(24V)
Hysteresis	<3...15%(Sr)
Repeatability	①: <1.0%(Sr) ②: <3.0%(Sr)

Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	①: None ②: With (Action: LED Indicator Lights Up)
Ingress protection	IP66
Housing material	Stainless steel
Sensing face material	①: PTFE ②: PEEK
Connection	①: 2m Silicone cable, 3*0.35mm² ②: 3m KFF46PH cable/M12 Connector
Accessories	①: None ②: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.