M12 Cylindrical Inductive Proximity Sensor

BIDH-M12-N4.0-G2-120 series · Sensing Distance: 4mm(Non-Flush) · Operating Voltage: 10...30VDC(±10%)

IP66
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **4mm(Non-Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...120°C**
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

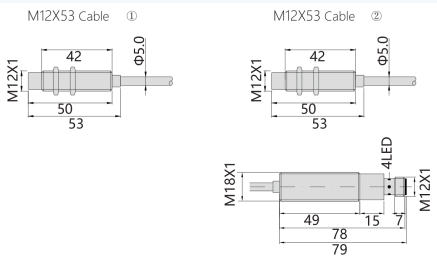
Output Type	Model Code
NPN N.O	**BIDH-M12-N11N4.0-G2-120** SKU 10103511
NPN N.C	**BIDH-M12-N21N4.0-G2-120** SKU 10103512
PNP N.O	**BIDH-M12-P11N4.0-G2-120** SKU 10103513
PNP N.C	**BIDH-M12-P21N4.0-G2-120** SKU 10103514

TECHNICAL DATA

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

Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	None
Ingress protection	IP66
Housing material	Stainless steel
Sensing face material	PTFE
Connection	2m Silicone cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.