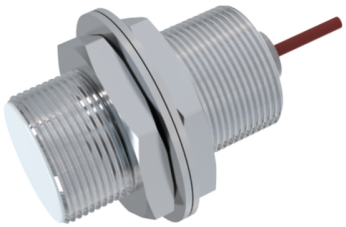
M30 Cylindrical Inductive Proximity Sensor

BIDH-M30-F10-G2-120 series · Sensing Distance: 10mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP66
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **10mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **300Hz**	AMBIENT TEMP. **-25...120°C**
HOUSING **M30*1.5mm**	INGRESS PROTECTION **IP66**

FEATURES

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

MODEL CODES

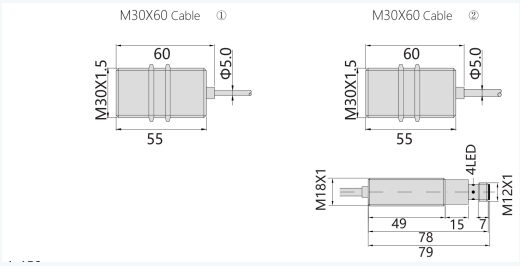
Output Type	Model Code
NPN N.O	**BIDH-M30-N11F10-G2-120** SKU 10104090
NPN N.C	**BIDH-M30-N21F10-G2-120** SKU 10104091
PNP N.O	**BIDH-M30-P11F10-G2-120** SKU 10104092
PNP N.C	**BIDH-M30-P21F10-G2-120** SKU 10104093

TECHNICAL DATA

Ambient temperature	-25...120°C
Exterior structure	M30*1.5mm
Sensing distance	10mm(Flush)
Switching frequency	300Hz
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.