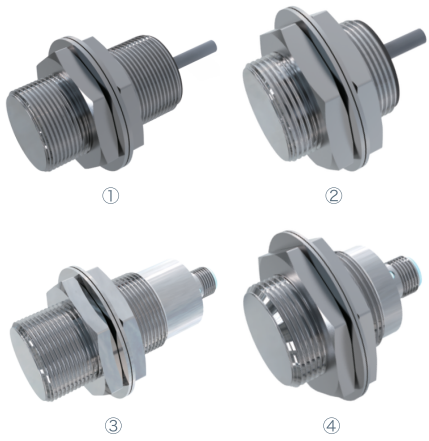
M30 Cylindrical Inductive Proximity Sensor

BIDM-M30-F10-PC2-S-S124 series · Sensing Distance: 10mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **10mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **2Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M30*1.5mm**	INGRESS PROTECTION **IP67**

FEATURES

- High protection level
- Collision proof
- Corrosion resistance

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDM-M30-N11F10-PC2** SKU 10104046	**BIDM-M30-N11F10-PC2-S** SKU 10104050	**BIDM-M30-N11F10-S124** SKU 10104054	**BIDM-M30-N11F10-S124-S** SKU 10104058
NPN N.C	**BIDM-M30-N21F10-PC2** SKU 10104047	**BIDM-M30-N21F10-PC2-S** SKU 10104051	**BIDM-M30-N21F10-S124** SKU 10104055	**BIDM-M30-N21F10-S124-S** SKU 10104059
PNP N.O	**BIDM-M30-P11F10-PC2** SKU 10104048	**BIDM-M30-P11F10-PC2-S** SKU 10104052	**BIDM-M30-P11F10-S124** SKU 10104056	**BIDM-M30-P11F10-S124-S** SKU 10104060
PNP N.C	**BIDM-M30-P21F10-PC2** SKU 10104049	**BIDM-M30-P21F10-PC2-S** SKU 10104053	**BIDM-M30-P21F10-S124** SKU 10104057	**BIDM-M30-P21F10-S124-S** SKU 10104061

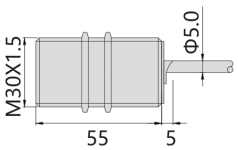
TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	10mm(Flush)
Switching frequency	2Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)

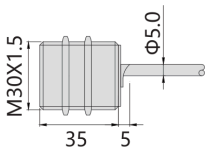
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	Stainless steel
Connection	①: 2m PVC Cable, 3*0.35mm² ②: 2m PVC Cable, 3*0.35mm² ③: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

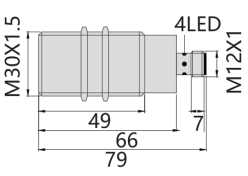
M30X55 Cable ①



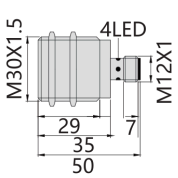
M30X35 Cable ②



M30X79 Connector ③



M30X48 Connector ④



All dimensions in mm.