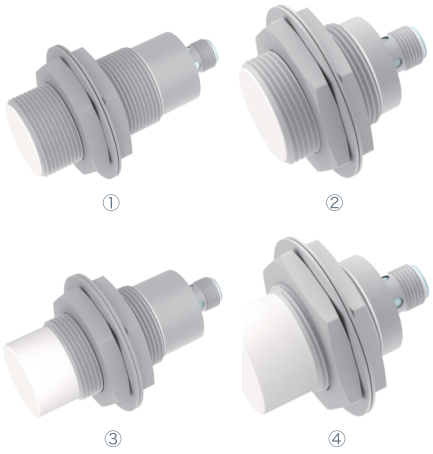
M30 Cylindrical Inductive Proximity Sensor

BIDT-M30-N11F10-S124 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 300Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **300Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M30*1.5mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Teflon-coated housing
- Proof to strong magnetic interference
- High resistance to interference and welding slags splashing

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDT-M30-N11F10-S124** SKU 10103987	**BIDT-M30-N11F10-S124-S** SKU 10103991	**BIDT-M18-N11N15-S124** SKU 10104217	**BIDT-M18-N11N15-S124-S** SKU 10104221
NPN N.C	**BIDT-M30-N21F10-S124** SKU 10103988	**BIDT-M30-N21F10-S124-S** SKU 10103992	**BIDT-M18-N21N15-S124** SKU 10104218	**BIDT-M18-N21N15-S124-S** SKU 10104222
PNP N.O	**BIDT-M30-P11F10-S124** SKU 10103989	**BIDT-M30-P11F10-S124-S** SKU 10103993	**BIDT-M18-P11N15-S124** SKU 10104219	**BIDT-M18-P11N15-S124-S** SKU 10104223
PNP N.C	**BIDT-M30-P21F10-S124** SKU 10103990	**BIDT-M30-P21F10-S124-S** SKU 10103994	**BIDT-M18-P21N15-S124** SKU 10104220	**BIDT-M18-P21N15-S124-S** SKU 10104224

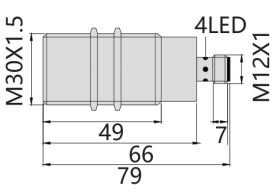
TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	①: 10mm(Flush) ②: 10mm(Flush) ③: 15mm(Non-Flush) ④: 15mm(Non-Flush)
Switching frequency	300Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)

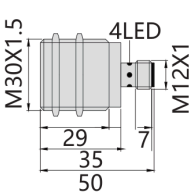
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, Teflon-plated
Sensing face material	PTFE
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

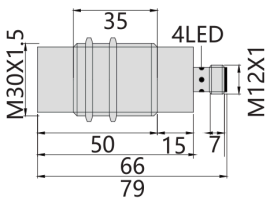
M30X79 Connector ①



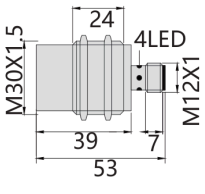
M30X48 Connector ②



M30X79 Connector ③



M30X53 Connector ④



All dimensions in mm.