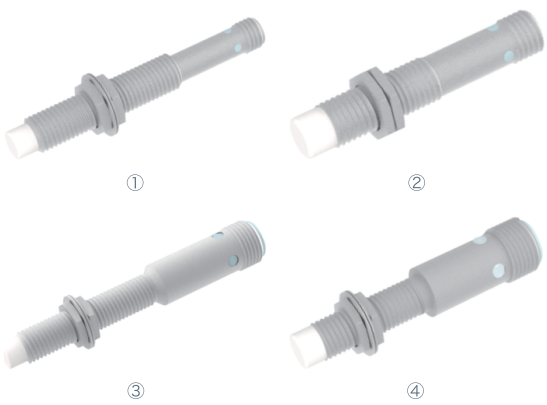
M8 Cylindrical Inductive Proximity Sensor

BIDT-M08-N4.0-S83-S-S124 series · Sensing Distance: 4mm(Non-Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **4mm(Non-Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **1000Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M8*1mm**	INGRESS PROTECTION **IP67**

FEATURES

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

MODEL CODES

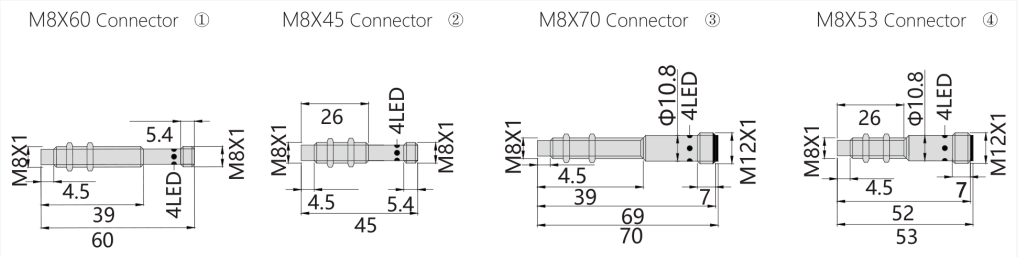
Output Type	①	②	③	④
NPN N.O	**BIDT-M08-N11N4.0-S83** SKU 10103313	**BIDT-M08-N11N4.0-S83-S** SKU 10103317	**BIDT-M08-N11N4.0-S124** SKU 10103321	**BIDT-M08-N11N4.0-S124-S** SKU 10103325
NPN N.C	**BIDT-M08-N21N4.0-S83** SKU 10103314	**BIDT-M08-N21N4.0-S83-S** SKU 10103318	**BIDT-M08-N21N4.0-S124** SKU 10103322	**BIDT-M08-N21N4.0-S124-S** SKU 10103326
PNP N.O	**BIDT-M08-P11N4.0-S83** SKU 10103315	**BIDT-M08-P11N4.0-S83-S** SKU 10103319	**BIDT-M08-P11N4.0-S124** SKU 10103323	**BIDT-M08-P11N4.0-S124-S** SKU 10103327
PNP N.C	**BIDT-M08-P21N4.0-S83** SKU 10103316	**BIDT-M08-P21N4.0-S83-S** SKU 10103320	**BIDT-M08-P21N4.0-S124** SKU 10103324	**BIDT-M08-P21N4.0-S124-S** SKU 10103328

TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	4mm(Non-Flush)
Switching frequency	1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
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	①: M8 Connector ②: M8 Connector ③: M12 Connector ④: M12 Connector
Accessories	①: M8 3 pin cable with connector ②: M8 3 pin cable with connector ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.