M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-N4.0-N6.0-S83-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 1000Hz / 500Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **1000Hz / 500Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M8*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Non-flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDS-M08-N11N4.0-S83** SKU 10103337	**BIDS-M08-N11N6.0-S83** SKU 10103367	**BIDS-M08-N11N4.0-S83-S** SKU 10103341	**BIDS-M08-N11N6.0-S83-S** SKU 10103371
NPN N.C	**BIDS-M08-N21N4.0-S83** SKU 10103338	**BIDS-M08-N21N6.0-S83** SKU 10103368	**BIDS-M08-N21N4.0-S83-S** SKU 10103342	**BIDS-M08-N21N6.0-S83-S** SKU 10103372
PNP N.O	**BIDS-M08-P11N4.0-S83** SKU 10103339	**BIDS-M08-P11N6.0-S83** SKU 10103369	**BIDS-M08-P11N4.0-S83-S** SKU 10103343	**BIDS-M08-P11N6.0-S83-S** SKU 10103373
PNP N.C	**BIDS-M08-P21N4.0-S83** SKU 10103340	**BIDS-M08-P21N6.0-S83** SKU 10103370	**BIDS-M08-P21N4.0-S83-S** SKU 10103344	**BIDS-M08-P21N6.0-S83-S** SKU 10103374

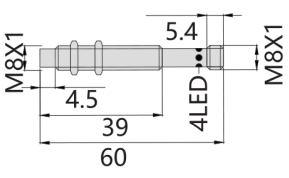
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	①: 4mm(Non-Flush) ②: 6mm(Non-Flush) ③: 4mm(Non-Flush) ④: 6mm(Non-Flush)
Switching frequency	①: 1000Hz ②: 500Hz ③: 1000Hz ④: 500Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

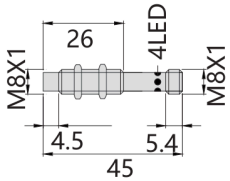
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	M8 Connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

M8X60 Connector ①②



M8X45 Connector ③④



All dimensions in mm.