M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-F2.0-F3.0-S124-S series · Operating Voltage: 10...30VDC(±10%) · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

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

FEATURES

- Flush mounting
- High response frequency
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
NPN N.O	BIDS-M08-N11F2.0-S124 SKU 10103154	BIDS-M08-N11F3.0-S124 SKU 10103273	BIDS-M08-N11F2.0-S124-S SKU 10103158	BIDS-M08-N11F3.0-S124-S SKU 10103277
NPN N.C	BIDS-M08-N21F2.0-S124 SKU 10103155	BIDS-M08-N21F3.0-S124 SKU 10103274	BIDS-M08-N21F2.0-S124-S SKU 10103159	BIDS-M08-N21F3.0-S124-S SKU 10103278
PNP N.O	BIDS-M08-P11F2.0-S124 SKU 10103156	BIDS-M08-P11F3.0-S124 SKU 10103275	BIDS-M08-P11F2.0-S124-S SKU 10103160	BIDS-M08-P11F3.0-S124-S SKU 10103279
PNP N.C	BIDS-M08-P21F2.0-S124 SKU 10103157	BIDS-M08-P21F3.0-S124 SKU 10103276	BIDS-M08-P21F2.0-S124-S SKU 10103161	BIDS-M08-P21F3.0-S124-S SKU 10103280

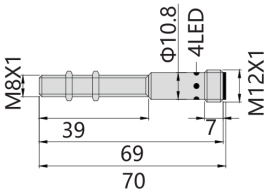
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

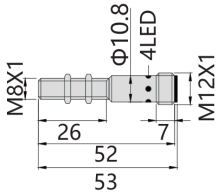
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M8X70 Connector ①②



M8X53 Connector ③④



All dimensions in mm.