M8 Cylindrical Inductive Proximity Sensor

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

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE **4mm(Non-Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **1000Hz**	AMBIENT TEMP. **-40...85°C**
HOUSING **M8*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- Low temperature resistance
- Suitable for cold storage, extremely cold environment
- Temperature-40°C...85°C

MODEL CODES

Output Type	①	②
NPN N.O	**BIDW-M08-N11N4.0-S124** SKU 10103305	**BIDW-M08-N11N4.0-S124-S** SKU 10103309
NPN N.C	**BIDW-M08-N21N4.0-S124** SKU 10103306	**BIDW-M08-N21N4.0-S124-S** SKU 10103310
PNP N.O	**BIDW-M08-P11N4.0-S124** SKU 10103307	**BIDW-M08-P11N4.0-S124-S** SKU 10103311
PNP N.C	**BIDW-M08-P21N4.0-S124** SKU 10103308	**BIDW-M08-P21N4.0-S124-S** SKU 10103312

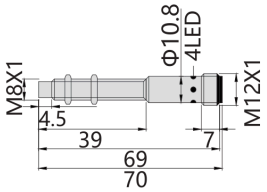
TECHNICAL DATA

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)

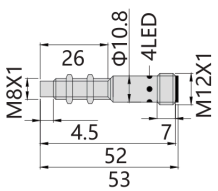
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-40...85°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M8X70 Connector ①



M8X53 Connector ②



All dimensions in mm.