M8 Cylindrical Inductive Proximity Sensor

BIDW-M08-F2.0-UC2-S series · Sensing Distance: 2mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE **2mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **3000Hz / 2000Hz**	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	3000Hz ①	2000Hz ②
NPN N.O	**BIDW-M08-N11F2.0-UC2** SKU 10103211	**BIDW-M08-N11F2.0-UC2-S** SKU 10103215
NPN N.C	**BIDW-M08-N21F2.0-UC2** SKU 10103212	**BIDW-M08-N21F2.0-UC2-S** SKU 10103216
PNP N.O	**BIDW-M08-P11F2.0-UC2** SKU 10103213	**BIDW-M08-P11F2.0-UC2-S** SKU 10103217
PNP N.C	**BIDW-M08-P21F2.0-UC2** SKU 10103214	**BIDW-M08-P21F2.0-UC2-S** SKU 10103218

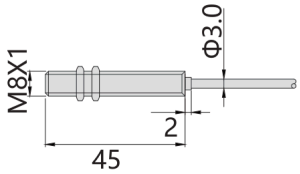
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	2mm(Flush)
Switching frequency	3000Hz 2000Hz
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)

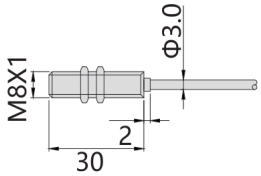
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-40...85°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	2m PUR Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS

M8X45 Cable ①



M8X30 Cable ②



All dimensions in mm.