M8 Cylindrical Inductive Proximity Sensor

BIDM-M08-F2.0-PC2-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. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M8*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- High protection level
- Collision proof
- Corrosion resistance

MODEL CODES

Output Type	①	②
NPN N.O	**BIDM-M08-N11F2.0-PC2** SKU 10103171	**BIDM-M08-N11F2.0-PC2-S** SKU 10103175
NPN N.C	**BIDM-M08-N21F2.0-PC2** SKU 10103172	**BIDM-M08-N21F2.0-PC2-S** SKU 10103176
PNP N.O	**BIDM-M08-P11F2.0-PC2** SKU 10103173	**BIDM-M08-P11F2.0-PC2-S** SKU 10103177
PNP N.C	**BIDM-M08-P21F2.0-PC2** SKU 10103174	**BIDM-M08-P21F2.0-PC2-S** SKU 10103178

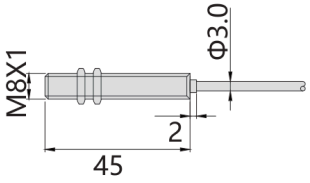
TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	2mm(Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on

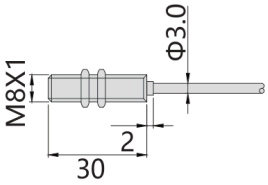
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	Stainless steel
Connection	2m PVC Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS

M8X45 Cable ①



M8X30 Cable ②



All dimensions in mm.