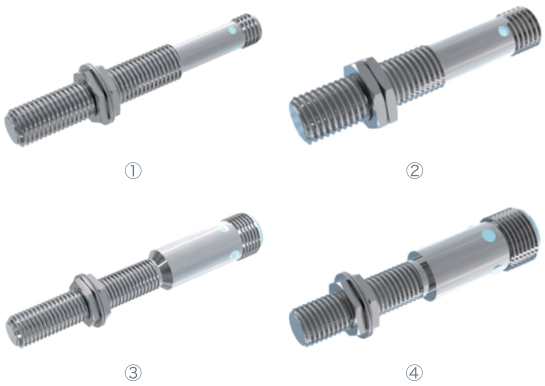
M8 Cylindrical Inductive Proximity Sensor

BIDM-M08-F2.0-S83-S-S124 series · Sensing Distance: 2mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



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

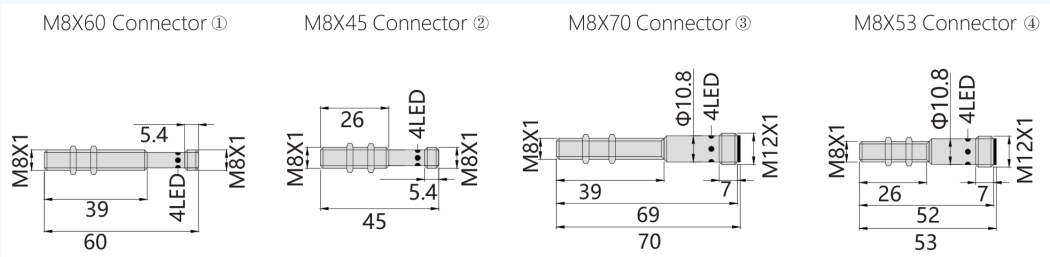
Output Type	①	②	③	④
NPN N.O	**BIDM-M08-N11F2.0-S83** SKU 10103179	**BIDM-M08-N11F2.0-S83-S** SKU 10103183	**BIDM-M08-N11F2.0-S124** SKU 10103187	**BIDM-M08-N11F2.0-S124-S** SKU 10103191
NPN N.C	**BIDM-M08-N21F2.0-S83** SKU 10103180	**BIDM-M08-N21F2.0-S83-S** SKU 10103184	**BIDM-M08-N21F2.0-S124** SKU 10103188	**BIDM-M08-N21F2.0-S124-S** SKU 10103192
PNP N.O	**BIDM-M08-P11F2.0-S83** SKU 10103181	**BIDM-M08-P11F2.0-S83-S** SKU 10103185	**BIDM-M08-P11F2.0-S124** SKU 10103189	**BIDM-M08-P11F2.0-S124-S** SKU 10103193
PNP N.C	**BIDM-M08-P21F2.0-S83** SKU 10103182	**BIDM-M08-P21F2.0-S83-S** SKU 10103186	**BIDM-M08-P21F2.0-S124** SKU 10103190	**BIDM-M08-P21F2.0-S124-S** SKU 10103194

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	①: M8 Connector ②: M8 Connector ③: M12 Connector ④: M12 Connector
Accessories	①: M8 3 pin cable with connector ②: M8 3 pin cable with connector ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.