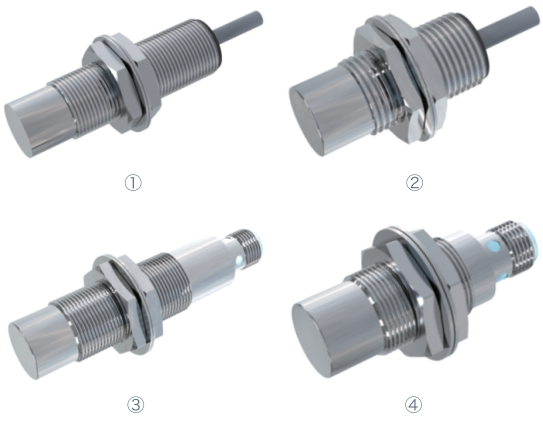
M18 Cylindrical Inductive Proximity Sensor

BIDM-M18-N8.0-PC2-S-S124 series · Sensing Distance: 8mm(Non-Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **8mm(Non-Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-25...70°C**
HOUSING **M18*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- High protection level
- Collision proof
- Corrosion resistance

MODEL CODES

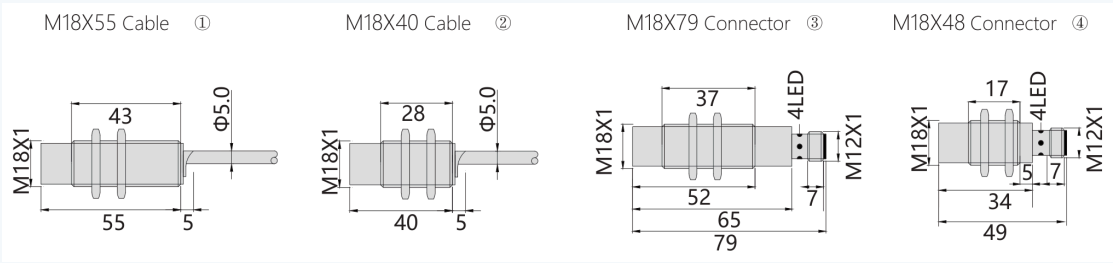
Output Type	①	②	③	④
NPN N.O	**BIDM-M18-N11N8.0-PC2** SKU 10103805	**BIDM-M18-N11N8.0-PC2-S** SKU 10103809	**BIDM-M18-N11N8.0-S124** SKU 10103813	**BIDM-M18-N11N8.0-S124-S** SKU 10103817
NPN N.C	**BIDM-M18-N21N8.0-PC2** SKU 10103806	**BIDM-M18-N21N8.0-PC2-S** SKU 10103810	**BIDM-M18-N21N8.0-S124** SKU 10103814	**BIDM-M18-N21N8.0-S124-S** SKU 10103818
PNP N.O	**BIDM-M18-P11N8.0-PC2** SKU 10103807	**BIDM-M18-P11N8.0-PC2-S** SKU 10103811	**BIDM-M18-P11N8.0-S124** SKU 10103815	**BIDM-M18-P11N8.0-S124-S** SKU 10103819
PNP N.C	**BIDM-M18-P21N8.0-PC2** SKU 10103808	**BIDM-M18-P21N8.0-PC2-S** SKU 10103812	**BIDM-M18-P21N8.0-S124** SKU 10103816	**BIDM-M18-P21N8.0-S124-S** SKU 10103820

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	8mm(Non-Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
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: 2m PVC Cable, 3*0.35mm² ②: 2m PVC Cable, 3*0.35mm² ③: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.