M18 Cylindrical Inductive Proximity Sensor

BIDM-M18-F5.0-F8.0-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 100Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

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

FEATURES

- High protection level
- Collision proofs
- Corrosion resistance

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDM-M18-N11F5.0-S124** SKU 10103676	**BIDM-M18-N11F8.0-S124** SKU 10103797	**BIDM-M18-N11F5.0-S124-S** SKU 10103680	**BIDM-M18-N11F8.0-S124-S** SKU 10103801
NPN N.C	**BIDM-M18-N21F5.0-S124** SKU 10103677	**BIDM-M18-N21F8.0-S124** SKU 10103798	**BIDM-M18-N21F5.0-S124-S** SKU 10103681	**BIDM-M18-N21F8.0-S124-S** SKU 10103802
PNP N.O	**BIDM-M18-P11F5.0-S124** SKU 10103678	**BIDM-M18-P11F8.0-S124** SKU 10103799	**BIDM-M18-P11F5.0-S124-S** SKU 10103682	**BIDM-M18-P11F8.0-S124-S** SKU 10103803
PNP N.C	**BIDM-M18-P21F5.0-S124** SKU 10103679	**BIDM-M18-P21F8.0-S124** SKU 10103800	**BIDM-M18-P21F5.0-S124-S** SKU 10103683	**BIDM-M18-P21F8.0-S124-S** SKU 10103804

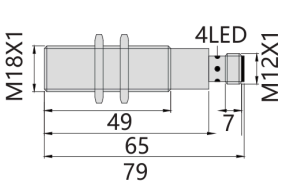
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 5mm(Flush) ②: 8mm(Flush) ③: 5mm(Flush) ④: 8mm(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)

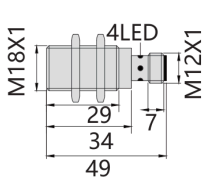
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	Stainless steel
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M18X79 Connector ①②



M18X48 Connector ③④



All dimensions in mm.