M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-F12-F8.0-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 3000Hz / 800Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **3000Hz / 800Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M18*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
NPN N.O	BIDS-M18-N11F8.0-S124 SKU 10103768	BIDS-M18-N11F12-S124 SKU 10103891	BIDS-M18-N11F8.0-S124-S SKU 10103772	BIDS-M18-N11F12-S124-S SKU 10103895
NPN N.C	BIDS-M18-N21F8.0-S124 SKU 10103769	BIDS-M18-N21F12-S124 SKU 10103892	BIDS-M18-N21F8.0-S124-S SKU 10103773	BIDS-M18-N21F12-S124-S SKU 10103896
PNP N.O	BIDS-M18-P11F8.0-S124 SKU 10103770	BIDS-M18-P11F12-S124 SKU 10103893	BIDS-M18-P11F8.0-S124-S SKU 10103774	BIDS-M18-P11F12-S124-S SKU 10103897
PNP N.C	BIDS-M18-P21F8.0-S124 SKU 10103771	BIDS-M18-P21F12-S124 SKU 10103894	BIDS-M18-P21F8.0-S124-S SKU 10103775	BIDS-M18-P21F12-S124-S SKU 10103898

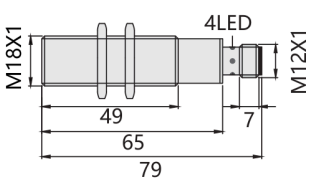
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 8mm(Flush) ②: 12mm(Quasi-Flush) ③: 8mm(Flush) ④: 12mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 800Hz ③: 3000Hz ④: 800Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

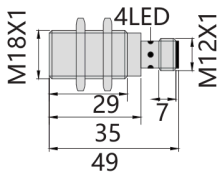
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M18X79 Connector ①②



M18X48 Connector ③④



All dimensions in mm.