M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-N16-N20-S124-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 500Hz / 400Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **500Hz / 400Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M18*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Non-flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
NPN N.O	**BIDS-M18-N11N16-S124** SKU 10103931	**BIDS-M18-N11N20-S124** SKU 10103979	**BIDS-M18-N11N16-S124-S** SKU 10103935	**BIDS-M18-N11N20-S124-S** SKU 10103983
NPN N.C	**BIDS-M18-N21N16-S124** SKU 10103932	**BIDS-M18-N21N20-S124** SKU 10103980	**BIDS-M18-N21N16-S124-S** SKU 10103936	**BIDS-M18-N21N20-S124-S** SKU 10103984
PNP N.O	**BIDS-M18-P11N16-S124** SKU 10103933	**BIDS-M18-P11N20-S124** SKU 10103981	**BIDS-M18-P11N16-S124-S** SKU 10103937	**BIDS-M18-P11N20-S124-S** SKU 10103985
PNP N.C	**BIDS-M18-P21N16-S124** SKU 10103934	**BIDS-M18-P21N20-S124** SKU 10103982	**BIDS-M18-P21N16-S124-S** SKU 10103938	**BIDS-M18-P21N20-S124-S** SKU 10103986

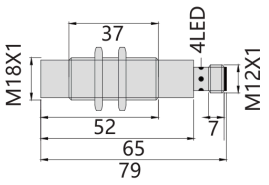
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 16mm(Non-Flush) ②: 20mm(Non-Flush) ③: 16mm(Non-Flush) ④: 20mm(Non-Flush)
Switching frequency	①: 500Hz ②: 400Hz ③: 500Hz ④: 400Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)

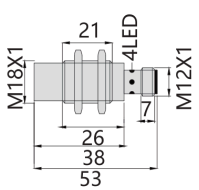
Hysteresis	<15%(Sr)
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection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

DIMENSIONAL DRAWINGS

M18X79 Connector ①②



M18X53 Connector ③④



All dimensions in mm.