M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-A14N16-A24N16-A14N8.0-A24N8.0-U15N16-U25N16-U15N8.0-U25N8.0-S124-S series · Switching Freq.: 25Hz/25Hz AC; 40Hz DC · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

SWITCHING FREQ. **25Hz/25Hz AC; 40Hz DC**	AMBIENT TEMP. **-25...70°C**
HOUSING **M18*1mm**	INGRESS PROTECTION **IP67**

FEATURES

- Non-flush mounting
- Strong anti-interference ability
- Multiple connection options available

MODEL CODES

Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	**BIDS-M18-A14N8.0-S124** SKU 10103752	**BIDS-M18-A14N16-S124** SKU 10103963	**BIDS-M18-A14N8.0-S124-S** SKU 10103756	**BIDS-M18-A14N16-S124-S** SKU 10103967
N.C	**BIDS-M18-A24N8.0-S124** SKU 10103753	**BIDS-M18-A24N16-S124** SKU 10103964	**BIDS-M18-A24N8.0-S124-S** SKU 10103757	**BIDS-M18-A24N16-S124-S** SKU 10103968
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	**BIDS-M18-U15N8.0-S124** SKU 10103754	**BIDS-M18-U15N16-S124** SKU 10103965	**BIDS-M18-U15N8.0-S124-S** SKU 10103758	**BIDS-M18-U15N16-S124-S** SKU 10103969
N.C	**BIDS-M18-U25N8.0-S124** SKU 10103755	**BIDS-M18-U25N16-S124** SKU 10103966	**BIDS-M18-U25N8.0-S124-S** SKU 10103759	**BIDS-M18-U25N16-S124-S** SKU 10103970

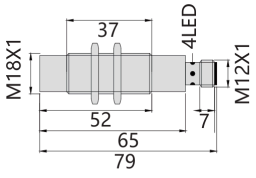
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 8mm(Non-Flush) ②: 16mm(Non-Flush) ③: 8mm(Non-Flush) ④: 16mm(Non-Flush)
Switching frequency	AC: 25Hz · AC/DC: 25Hz AC; 40Hz DC
Operating voltage	AC: 20...250V AC · AC/DC: 20...250V AC/DC
Voltage drop	≤8V AC/≤10V AC,8V DC
Load current	Max.load: 400mA; min.Load: 5mA
Residual signal	≤1.8mA/≤2.5mA
Hysteresis	<15%(Sr)

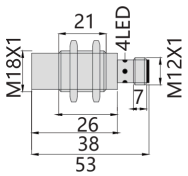
Repeatability	<1.0%(Sr)
Switch protection	Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	M12 Connector
Accessories	M12 4 pin cable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

DIMENSIONAL DRAWINGS

M18X79 Connector ①②



M18X53 Connector ③④



All dimensions in mm.