M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-A14F5.0-A14F8.0-A24F5.0-A24F8.0-U15F5.0-U15F8.0-U25F5.0-U25F8.0-PC2-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

- Flush mounting
- Strong anti-interference ability
- Multiple connection options available

MODEL CODES

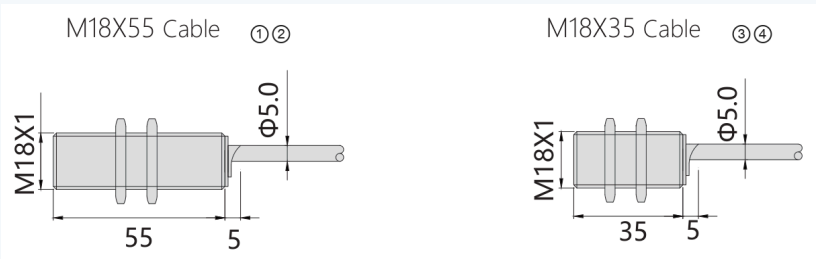
Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	**BIDS-M18-A14F5.0-PC2** SKU 10103706	**BIDS-M18-A14F8.0-PC2** SKU 10103710	**BIDS-M18-A14F5.0-PC2-S** SKU 10103714	**BIDS-M18-A14F8.0-PC2-S** SKU 10103732
N.C	**BIDS-M18-A24F5.0-PC2** SKU 10103707	**BIDS-M18-A24F8.0-PC2** SKU 10103711	**BIDS-M18-A24F5.0-PC2-S** SKU 10103715	**BIDS-M18-A24F8.0-PC2-S** SKU 10103733
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	**BIDS-M18-U15F5.0-PC2** SKU 10103708	**BIDS-M18-U15F8.0-PC2** SKU 10103712	**BIDS-M18-U15F5.0-PC2-S** SKU 10103716	**BIDS-M18-U15F8.0-PC2-S** SKU 10103734
N.C	**BIDS-M18-U25F5.0-PC2** SKU 10103709	**BIDS-M18-U25F8.0-PC2** SKU 10103713	**BIDS-M18-U25F5.0-PC2-S** SKU 10103717	**BIDS-M18-U25F8.0-PC2-S** SKU 10103735

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 5mm(Flush) ②: 8mm(Flush) ③: 5mm(Flush) ④: 8mm(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	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.