M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-A14N16-A24N16-A14N8.0-A24N8.0-U15N16-U25N16-U15N8.0-U25N8.0-PC2-S series · Switching Freq.: 25Hz/25Hz AC; 40Hz DC · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

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

FEATURES

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

MODEL CODES

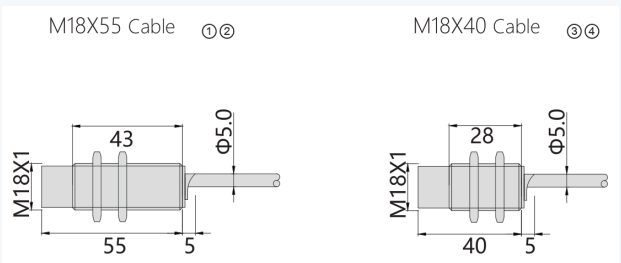
Output Type	①	②	③	④
AC type — 20...250V AC · 25Hz				
N.O	BIDS-M18-A14N8.0-PC2 SKU 10103744	BIDS-M18-A14N16-PC2 SKU 10103955	BIDS-M18-A14N8.0-PC2-S SKU 10103748	BIDS-M18-A14N16-PC2-S SKU 10103959
N.C	BIDS-M18-A24N8.0-PC2 SKU 10103745	BIDS-M18-A24N16-PC2 SKU 10103956	BIDS-M18-A24N8.0-PC2-S SKU 10103749	BIDS-M18-A24N16-PC2-S SKU 10103960
AC/DC type — 20...250V AC/DC · 25Hz AC; 40Hz DC				
N.O	BIDS-M18-U15N8.0-PC2 SKU 10103746	BIDS-M18-U15N16-PC2 SKU 10103957	BIDS-M18-U15N8.0-PC2-S SKU 10103750	BIDS-M18-U15N16-PC2-S SKU 10103961
N.C	BIDS-M18-U25N8.0-PC2 SKU 10103747	BIDS-M18-U25N16-PC2 SKU 10103958	BIDS-M18-U25N8.0-PC2-S SKU 10103751	BIDS-M18-U25N16-PC2-S SKU 10103962

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	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.