M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-N16-N20-PC2-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

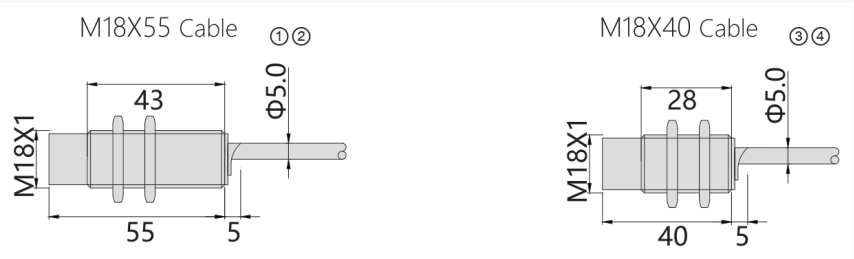
Output Type	①	②	③	④
NPN N.O	**BIDS-M18-N11N16-PC2** SKU 10103923	**BIDS-M18-N11N20-PC2** SKU 10103971	**BIDS-M18-N11N16-PC2-S** SKU 10103927	**BIDS-M18-N11N20-PC2-S** SKU 10103975
NPN N.C	**BIDS-M18-N21N16-PC2** SKU 10103924	**BIDS-M18-N21N20-PC2** SKU 10103972	**BIDS-M18-N21N16-PC2-S** SKU 10103928	**BIDS-M18-N21N20-PC2-S** SKU 10103976
PNP N.O	**BIDS-M18-P11N16-PC2** SKU 10103925	**BIDS-M18-P11N20-PC2** SKU 10103973	**BIDS-M18-P11N16-PC2-S** SKU 10103929	**BIDS-M18-P11N20-PC2-S** SKU 10103977
PNP N.C	**BIDS-M18-P21N16-PC2** SKU 10103926	**BIDS-M18-P21N20-PC2** SKU 10103974	**BIDS-M18-P21N16-PC2-S** SKU 10103930	**BIDS-M18-P21N20-PC2-S** SKU 10103978

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	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.