M18 Cylindrical Inductive Proximity Sensor

BIDS-M18-F12-F8.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 3000Hz / 800Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **3000Hz / 800Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M18*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

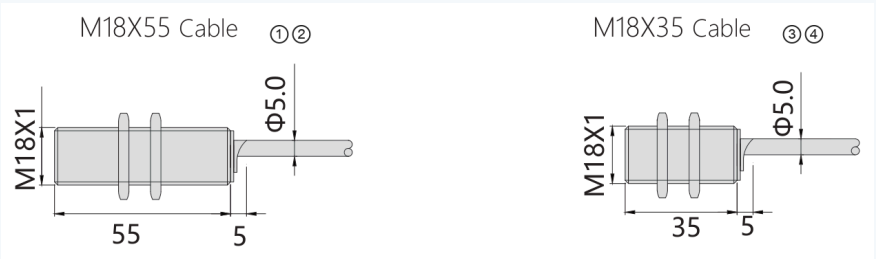
Output Type	①	②	③	④
NPN N.O	BIDS-M18-N11F8.0-PC2 SKU 10103760	BIDS-M18-N11F12-PC2 SKU 10103883	BIDS-M18-N11F8.0-PC2-S SKU 10103764	BIDS-M18-N11F12-PC2-S SKU 10103887
NPN N.C	BIDS-M18-N21F8.0-PC2 SKU 10103761	BIDS-M18-N21F12-PC2 SKU 10103884	BIDS-M18-N21F8.0-PC2-S SKU 10103765	BIDS-M18-N21F12-PC2-S SKU 10103888
PNP N.O	BIDS-M18-P11F8.0-PC2 SKU 10103762	BIDS-M18-P11F12-PC2 SKU 10103885	BIDS-M18-P11F8.0-PC2-S SKU 10103766	BIDS-M18-P11F12-PC2-S SKU 10103889
PNP N.C	BIDS-M18-P21F8.0-PC2 SKU 10103763	BIDS-M18-P21F12-PC2 SKU 10103886	BIDS-M18-P21F8.0-PC2-S SKU 10103767	BIDS-M18-P21F12-PC2-S SKU 10103890

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 8mm(Flush) ②: 12mm(Quasi-Flush) ③: 8mm(Flush) ④: 12mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 800Hz ③: 3000Hz ④: 800Hz
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.