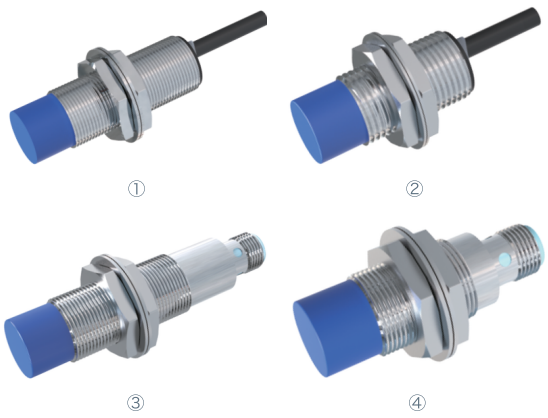
M18 Cylindrical Inductive Proximity Sensor

BIDW-M18-N16-UC2-S-S124 series · Sensing Distance: 16mm(Non-Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE 16mm(Non-Flush)	OPERATING VOLTAGE 10...30VDC(±10%)
SWITCHING FREQ. 500Hz	AMBIENT TEMP. -40...85°C
HOUSING M18*1mm	INGRESS PROTECTION IP67

FEATURES

- Low temperature resistance
- Suitable for cold storage, extremely cold environment
- Temperature-40°C...85°C

MODEL CODES

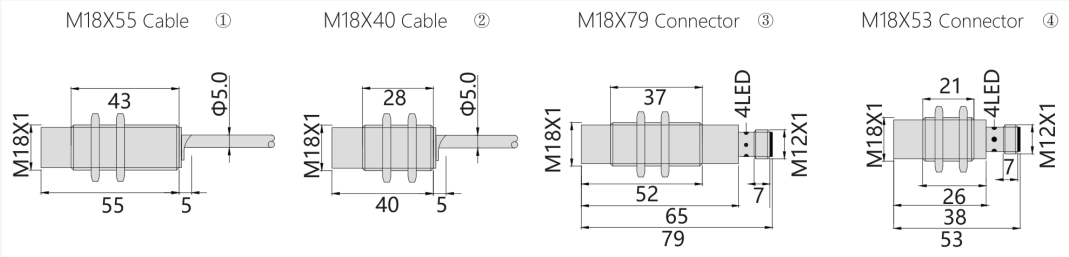
Output Type	①	②	③	④
NPN N.O	BIDW-M18-N11N16-UC2 SKU 10103899	BIDW-M18-N11N16-UC2-S SKU 10103903	BIDW-M18-N11N16-S124 SKU 10103907	BIDW-M18-N11N16-S124-S SKU 10103911
NPN N.C	BIDW-M18-N21N16-UC2 SKU 10103900	BIDW-M18-N21N16-UC2-S SKU 10103904	BIDW-M18-N21N16-S124 SKU 10103908	BIDW-M18-N21N16-S124-S SKU 10103912
PNP N.O	BIDW-M18-P11N16-UC2 SKU 10103901	BIDW-M18-P11N16-UC2-S SKU 10103905	BIDW-M18-P11N16-S124 SKU 10103909	BIDW-M18-P11N16-S124-S SKU 10103913
PNP N.C	BIDW-M18-P21N16-UC2 SKU 10103902	BIDW-M18-P21N16-UC2-S SKU 10103906	BIDW-M18-P21N16-S124 SKU 10103910	BIDW-M18-P21N16-S124-S SKU 10103914

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	16mm(Non-Flush)
Switching frequency	500Hz
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	-40...85°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	POM
Connection	①: 2m PUR Cable, 3*0.35mm² ②: 2m PUR Cable, 3*0.35mm² ③: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.