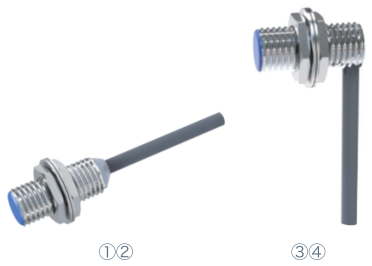
M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-F2.0-F3.0-PC2-R-T series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz / 1000Hz

IP67
Ingress Protection



①② ③④

KEY SPECIFICATIONS

OPERATING VOLTAGE 10...30VDC(±10%)	SWITCHING FREQ. 2000Hz / 1000Hz
AMBIENT TEMP. -25...70°C	HOUSING M8*1mm
INGRESS PROTECTION IP67	

FEATURES

- Flush mounting
- High response frequency
- Super short size optional

MODEL CODES

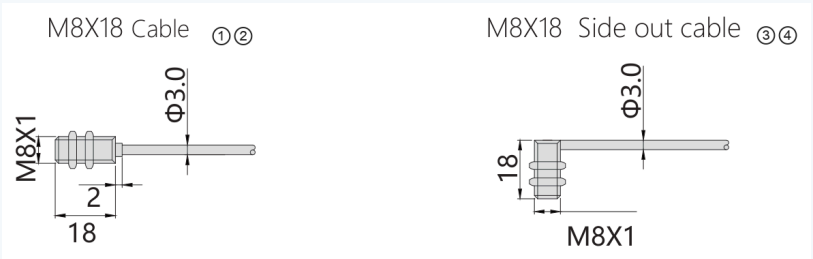
Output Type	①	②	③	④
NPN N.O	BIDS-M08-N11F2.0-PC2-R SKU 10103134	BIDS-M08-N11F3.0-PC2-R SKU 10103253	BIDS-M08-N11F2.0-PC2-T SKU 10103138	BIDS-M08-N11F3.0-PC2-T SKU 10103257
NPN N.C	BIDS-M08-N21F2.0-PC2-R SKU 10103135	BIDS-M08-N21F3.0-PC2-R SKU 10103254	BIDS-M08-N21F2.0-PC2-T SKU 10103139	BIDS-M08-N21F3.0-PC2-T SKU 10103258
PNP N.O	BIDS-M08-P11F2.0-PC2-R SKU 10103136	BIDS-M08-P11F3.0-PC2-R SKU 10103255	BIDS-M08-P11F2.0-PC2-T SKU 10103140	BIDS-M08-P11F3.0-PC2-T SKU 10103259
PNP N.C	BIDS-M08-P21F2.0-PC2-R SKU 10103137	BIDS-M08-P21F3.0-PC2-R SKU 10103256	BIDS-M08-P21F2.0-PC2-T SKU 10103141	BIDS-M08-P21F3.0-PC2-T SKU 10103260

TECHNICAL DATA

Exterior structure	M8*1mm
Sensing distance	①: 2mm(Flush) ②: 3mm(Quasi-Flush) ③: 2mm(Flush) ④: 3mm(Quasi-Flush)
Switching frequency	①: 2000Hz ②: 1000Hz ③: 2000Hz ④: 1000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
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	Stainless steel
Sensing face material	POM
Connection	2m PVC Cable, 3*0.18mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.