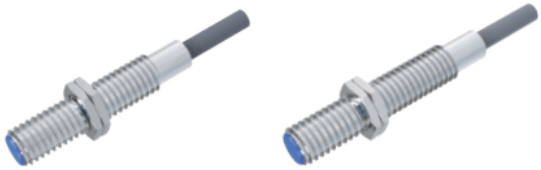
M5 Cylindrical Inductive Proximity Sensor

BIDS-M05-F0.8-F1.2-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz

IP67
Ingress Protection



①② ③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **2000Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M5*0.5mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Miniature proximity sensor Micro IC circuit Can be installed in narrow and confined spaces

MODEL CODES

Output Type	①	②	③	④
NPN N.O	BIDS-M05-N11F0.8-PC2 SKU 10102947	BIDS-M05-N11F1.2-PC2 SKU 10102987	BIDS-M05-N11F0.8-PC2-S SKU 10102951	BIDS-M05-N11F1.2-PC2-S SKU 10102991
NPN N.C	BIDS-M05-N21F0.8-PC2 SKU 10102948	BIDS-M05-N21F1.2-PC2 SKU 10102988	BIDS-M05-N21F0.8-PC2-S SKU 10102952	BIDS-M05-N21F1.2-PC2-S SKU 10102992
PNP N.O	BIDS-M05-P11F0.8-PC2 SKU 10102949	BIDS-M05-P11F1.2-PC2 SKU 10102989	BIDS-M05-P11F0.8-PC2-S SKU 10102953	BIDS-M05-P11F1.2-PC2-S SKU 10102993
PNP N.C	BIDS-M05-P21F0.8-PC2 SKU 10102950	BIDS-M05-P21F1.2-PC2 SKU 10102990	BIDS-M05-P21F0.8-PC2-S SKU 10102954	BIDS-M05-P21F1.2-PC2-S SKU 10102994

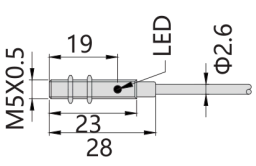
TECHNICAL DATA

Exterior structure	M5*0.5mm
Sensing distance	①: 0.8mm(Flush) ②: 1.2mm(Flush) ③: 0.8mm(Flush) ④: 1.2mm(Flush)
Switching frequency	2000Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	100mA
Leakage current	≤0.01mA
No-load current	≤10mA(24V)
Hysteresis	<15%(Sr)

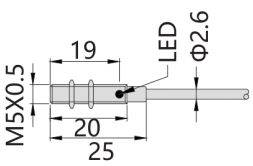
Repeatability	<1.0%(Sr)
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	2m PVC Cable, 3*0.15mm²
Accessories	None

DIMENSIONAL DRAWINGS

M5X28 Cable ①②



M5X25 Cable ③④



All dimensions in mm.