M5 Cylindrical Inductive Proximity Sensor

BIDS-M05-F0.8-F1.2-S83-Z83-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 2000Hz

IP67
Ingress Protection



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

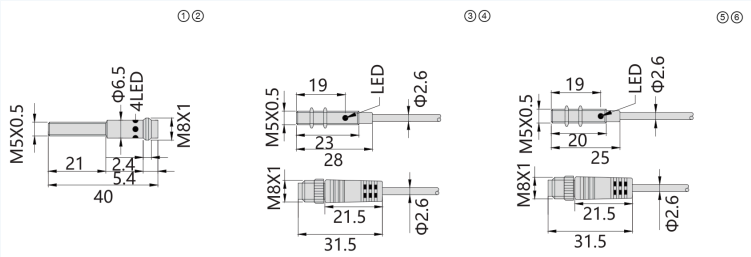
Output Type	①	②	③	④	⑤	⑥
NPN N.O	**BIDS-M05-N11F0.8-S83** SKU 10102955	**BIDS-M05-N11F1.2-S83** SKU 10102995	**BIDS-M05-N11F0.8-Z83** SKU 10102959	**BIDS-M05-N11F1.2-Z83** SKU 10102999	**BIDS-M05-N11F0.8-Z83-S** SKU 10102963	**BIDS-M05-N11F1.2-Z83-S** SKU 10103003
NPN N.C	**BIDS-M05-N21F0.8-S83** SKU 10102956	**BIDS-M05-N21F1.2-S83** SKU 10102996	**BIDS-M05-N21F0.8-Z83** SKU 10102960	**BIDS-M05-N21F1.2-Z83** SKU 10103000	**BIDS-M05-N21F0.8-Z83-S** SKU 10102964	**BIDS-M05-N21F1.2-Z83-S** SKU 10103004
PNP N.O	**BIDS-M05-P11F0.8-S83** SKU 10102957	**BIDS-M05-P11F1.2-S83** SKU 10102997	**BIDS-M05-P11F0.8-Z83** SKU 10102961	**BIDS-M05-P11F1.2-Z83** SKU 10103001	**BIDS-M05-P11F0.8-Z83-S** SKU 10102965	**BIDS-M05-P11F1.2-Z83-S** SKU 10103005
PNP N.C	**BIDS-M05-P21F0.8-S83** SKU 10102958	**BIDS-M05-P21F1.2-S83** SKU 10102998	**BIDS-M05-P21F0.8-Z83** SKU 10102962	**BIDS-M05-P21F1.2-Z83** SKU 10103002	**BIDS-M05-P21F0.8-Z83-S** SKU 10102966	**BIDS-M05-P21F1.2-Z83-S** SKU 10103006

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) ⑤: 0.8mm(Flush) ⑥: 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	①: M8 Connector ②: M8 Connector ③: M8, 0.3m Cable with connector ④: M8, 0.3m Cable with connector ⑤: M8, 0.3m Cable with connector ⑥: M8, 0.3m Cable with connector
Accessories	M8 3 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.