M4 Cylindrical Inductive Proximity Sensor

BIDS-M04-F0.6-PC2-Z83 series · Sensing Distance: 0.6mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE 0.6mm(Flush)	OPERATING VOLTAGE 10...30VDC(±10%)
SWITCHING FREQ. 2000Hz	AMBIENT TEMP. -25...70°C
HOUSING M4*0.5mm	INGRESS PROTECTION IP67

FEATURES

- Miniature proximity sensor Micro IC circuit Suitable for high precision equipment

MODEL CODES

Output Type	①	②
NPN N.O	BIDS-M04-N11F0.6-PC2 SKU 10102913	BIDS-M04-N11F0.6-Z83 SKU 10102917
NPN N.C	BIDS-M04-N21F0.6-PC2 SKU 10102914	BIDS-M04-N21F0.6-Z83 SKU 10102918
PNP N.O	BIDS-M04-P11F0.6-PC2 SKU 10102915	BIDS-M04-P11F0.6-Z83 SKU 10102919
PNP N.C	BIDS-M04-P21F0.6-PC2 SKU 10102916	BIDS-M04-P21F0.6-Z83 SKU 10102920

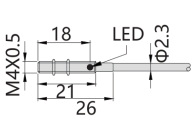
TECHNICAL DATA

Exterior structure	M4*0.5mm
Sensing distance	0.6mm(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

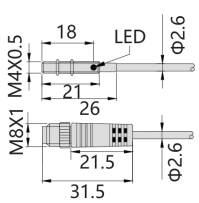
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	Stainless steel
Sensing face material	POM
Connection	①: 2m PVC Cable, 3*0.15mm² ②: M8, 0.3m Cable with connector
Accessories	①: None ②: M8 3 pin cable with connector

DIMENSIONAL DRAWINGS

M4X26 Cable ①



M4X26 Cable with connector ②



All dimensions in mm.