M12 Cylindrical Inductive Proximity Sensor

BIDS-M12-F4.0-F6.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 3000Hz / 800Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **3000Hz / 800Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M12*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- Flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

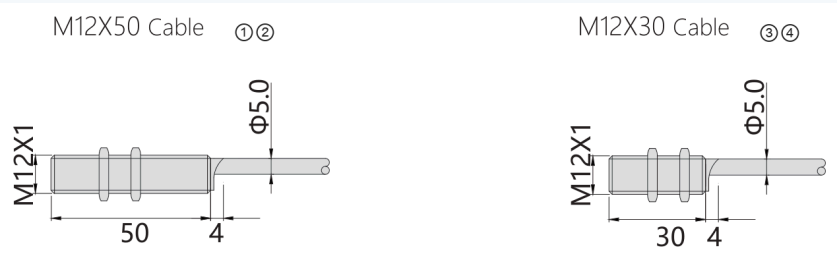
Output Type	①	②	③	④
NPN N.O	**BIDS-M12-N11F4.0-PC2** SKU 10103533	**BIDS-M12-N11F6.0-PC2** SKU 10103577	**BIDS-M12-N11F4.0-PC2-S** SKU 10103537	**BIDS-M12-N11F6.0-PC2-S** SKU 10103581
NPN N.C	**BIDS-M12-N21F4.0-PC2** SKU 10103534	**BIDS-M12-N21F6.0-PC2** SKU 10103578	**BIDS-M12-N21F4.0-PC2-S** SKU 10103538	**BIDS-M12-N21F6.0-PC2-S** SKU 10103582
PNP N.O	**BIDS-M12-P11F4.0-PC2** SKU 10103535	**BIDS-M12-P11F6.0-PC2** SKU 10103579	**BIDS-M12-P11F4.0-PC2-S** SKU 10103539	**BIDS-M12-P11F6.0-PC2-S** SKU 10103583
PNP N.C	**BIDS-M12-P21F4.0-PC2** SKU 10103536	**BIDS-M12-P21F6.0-PC2** SKU 10103580	**BIDS-M12-P21F4.0-PC2-S** SKU 10103540	**BIDS-M12-P21F6.0-PC2-S** SKU 10103584

TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	①: 4mm(Flush) ②: 6mm(Quasi-Flush) ③: 4mm(Flush) ④: 6mm(Quasi-Flush)
Switching frequency	①: 3000Hz ②: 800Hz ③: 3000Hz ④: 800Hz
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	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.