M8 Cylindrical Inductive Proximity Sensor

BIDS-M08-F2.0-F3.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Ambient Temp.: -25...70°C

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

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

FEATURES

- Flush mounting
- High response frequency
- Multiple connection options available

MODEL CODES

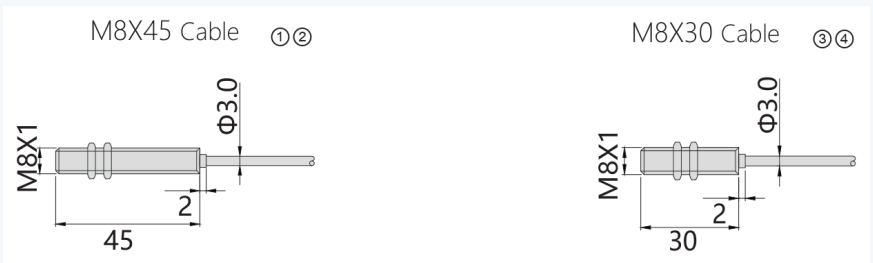
Output Type	①	②	③	④
NPN N.O	**BIDS-M08-N11F2.0-PC2** SKU 10103126	**BIDS-M08-N11F3.0-PC2** SKU 10103245	**BIDS-M08-N11F2.0-PC2-S** SKU 10103130	**BIDS-M08-N11F3.0-PC2-S** SKU 10103249
NPN N.C	**BIDS-M08-N21F2.0-PC2** SKU 10103127	**BIDS-M08-N21F3.0-PC2** SKU 10103246	**BIDS-M08-N21F2.0-PC2-S** SKU 10103131	**BIDS-M08-N21F3.0-PC2-S** SKU 10103250
PNP N.O	**BIDS-M08-P11F2.0-PC2** SKU 10103128	**BIDS-M08-P11F3.0-PC2** SKU 10103247	**BIDS-M08-P11F2.0-PC2-S** SKU 10103132	**BIDS-M08-P11F3.0-PC2-S** SKU 10103251
PNP N.C	**BIDS-M08-P21F2.0-PC2** SKU 10103129	**BIDS-M08-P21F3.0-PC2** SKU 10103248	**BIDS-M08-P21F2.0-PC2-S** SKU 10103133	**BIDS-M08-P21F3.0-PC2-S** SKU 10103252

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: 3000Hz 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.