M12 Cylindrical Inductive Proximity Sensor

BIDM-M12-F2.0-F4.0-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 100Hz

IP67
Ingress Protection



①②



③④

KEY SPECIFICATIONS

OPERATING VOLTAGE **10...30VDC(±10%)**	SWITCHING FREQ. **100Hz**
AMBIENT TEMP. **-25...70°C**	HOUSING **M12*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- High protection level
- Collision proof
- Corrosion resistance

MODEL CODES

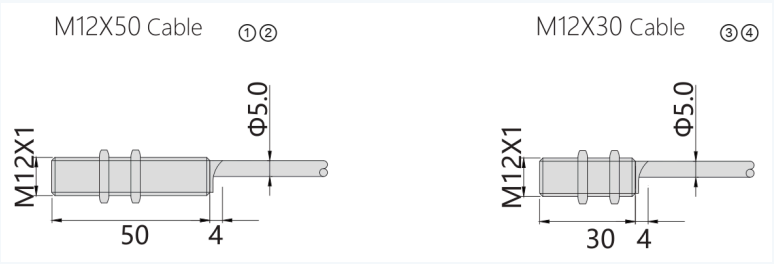
Output Type	①	②	③	④
NPN N.O	**BIDM-M12-N11F2.0-PC2** SKU 10103383	**BIDM-M12-N11F4.0-PC2** SKU 10103439	**BIDM-M12-N11F2.0-PC2-S** SKU 10103387	**BIDM-M12-N11F4.0-PC2-S** SKU 10103443
NPN N.C	**BIDM-M12-N21F2.0-PC2** SKU 10103384	**BIDM-M12-N21F4.0-PC2** SKU 10103440	**BIDM-M12-N21F2.0-PC2-S** SKU 10103388	**BIDM-M12-N21F4.0-PC2-S** SKU 10103444
PNP N.O	**BIDM-M12-P11F2.0-PC2** SKU 10103385	**BIDM-M12-P11F4.0-PC2** SKU 10103441	**BIDM-M12-P11F2.0-PC2-S** SKU 10103389	**BIDM-M12-P11F4.0-PC2-S** SKU 10103445
PNP N.C	**BIDM-M12-P21F2.0-PC2** SKU 10103386	**BIDM-M12-P21F4.0-PC2** SKU 10103442	**BIDM-M12-P21F2.0-PC2-S** SKU 10103390	**BIDM-M12-P21F4.0-PC2-S** SKU 10103446

TECHNICAL DATA

Exterior structure	M12*1mm
Sensing distance	①: 2mm(Flush) ②: 4mm(Flush) ③: 2mm(Flush) ④: 4mm(Flush)
Switching frequency	100Hz
Operating voltage	10...30VDC(±10%)
Voltage drop	≤2.0V
Load current	200mA
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	Stainless steel
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.