M18 Cylindrical Inductive Proximity Sensor

BIDM-M18-F5.0-F8.0-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 **M18*1mm**
INGRESS PROTECTION **IP67**	

FEATURES

- High protection level
- Collision proof
- Corrosion resistance

MODEL CODES

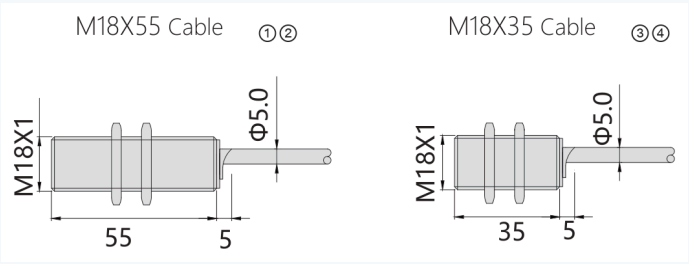
Output Type	①	②	③	④
NPN N.O	**BIDM-M18-N11F5.0-PC2** SKU 10103668	**BIDM-M18-N11F8.0-PC2** SKU 10103789	**BIDM-M18-N11F5.0-PC2-S** SKU 10103672	**BIDM-M18-N11F8.0-PC2-S** SKU 10103793
NPN N.C	**BIDM-M18-N21F5.0-PC2** SKU 10103669	**BIDM-M18-N21F8.0-PC2** SKU 10103790	**BIDM-M18-N21F5.0-PC2-S** SKU 10103673	**BIDM-M18-N21F8.0-PC2-S** SKU 10103794
PNP N.O	**BIDM-M18-P11F5.0-PC2** SKU 10103670	**BIDM-M18-P11F8.0-PC2** SKU 10103791	**BIDM-M18-P11F5.0-PC2-S** SKU 10103674	**BIDM-M18-P11F8.0-PC2-S** SKU 10103795
PNP N.C	**BIDM-M18-P21F5.0-PC2** SKU 10103671	**BIDM-M18-P21F8.0-PC2** SKU 10103792	**BIDM-M18-P21F5.0-PC2-S** SKU 10103675	**BIDM-M18-P21F8.0-PC2-S** SKU 10103796

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 5mm(Flush) ②: 8mm(Flush) ③: 5mm(Flush) ④: 8mm(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.