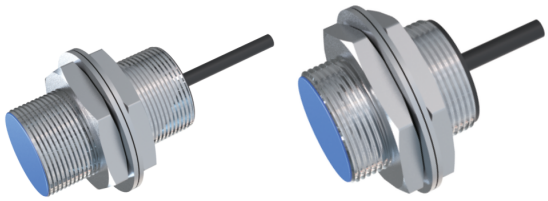
M30 Cylindrical Inductive Proximity Sensor

BIDW-M30-F10-UC2-S series · Sensing Distance: 10mm(Flush) · Operating Voltage: 10...30VDC(±10%)

IP67
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **10mm(Flush)**	OPERATING VOLTAGE **10...30VDC(±10%)**
SWITCHING FREQ. **300Hz**	AMBIENT TEMP. **-40...85°C**
HOUSING **M30*1.5mm**	INGRESS PROTECTION **IP67**

FEATURES

- Low temperature resistance
- Suitable for cold storage, extremely cold environment
- Temperature-40°C...85°C

MODEL CODES

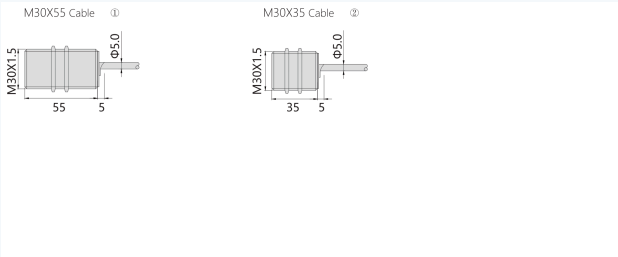
Output Type	①	②
NPN N.O	**BIDW-M30-N11F10-UC2** SKU 10104074	**BIDW-M30-N11F10-UC2-S** SKU 10104078
NPN N.C	**BIDW-M30-N21F10-UC2** SKU 10104075	**BIDW-M30-N21F10-UC2-S** SKU 10104079
PNP N.O	**BIDW-M30-P11F10-UC2** SKU 10104076	**BIDW-M30-P11F10-UC2-S** SKU 10104080
PNP N.C	**BIDW-M30-P21F10-UC2** SKU 10104077	**BIDW-M30-P21F10-UC2-S** SKU 10104081

TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	10mm(Flush)
Switching frequency	300Hz
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	-40...85°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PUR Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.