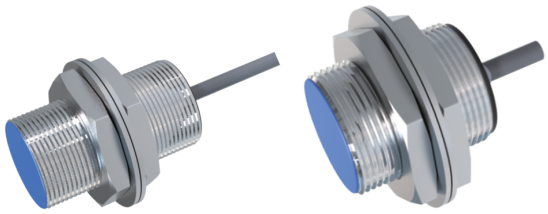
M30 Cylindrical Inductive Proximity Sensor

BIDS-M30-N31F10-N31F16-P31F10-P31F16-PC2-S series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 300Hz / 200Hz

IP67
Ingress Protection



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KEY SPECIFICATIONS

OPERATING VOLTAGE 10...30VDC(±10%)	SWITCHING FREQ. 300Hz / 200Hz
AMBIENT TEMP. -25...70°C	HOUSING M30*1.5mm
INGRESS PROTECTION IP67	

FEATURES

- Flush mounting
- Strong anti-interference ability
- Multiple connection options available

MODEL CODES

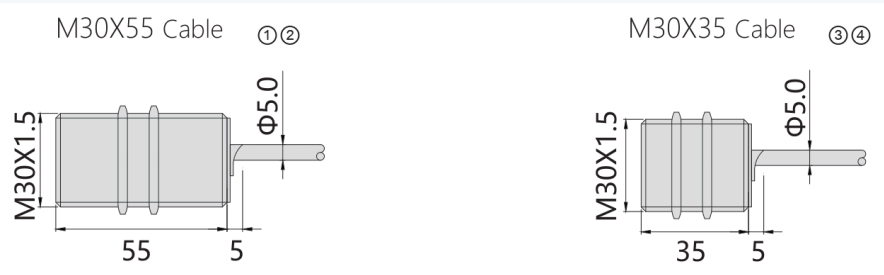
Output Type	①	②	③	④
NPN N.O+N.C	BIDS-M30-N31F10-PC2 SKU 10104019	BIDS-M30-N31F16-PC2 SKU 10104249	BIDS-M30-N31F10-PC2-S SKU 10104021	BIDS-M30-N31F16-PC2-S SKU 10104251
PNP N.O+N.C	BIDS-M30-P31F10-PC2 SKU 10104020	BIDS-M30-P31F16-PC2 SKU 10104250	BIDS-M30-P31F10-PC2-S SKU 10104022	BIDS-M30-P31F16-PC2-S SKU 10104252

TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	①: 10mm(Flush) ②: 16mm(Flush) ③: 10mm(Flush) ④: 16mm(Flush)
Switching frequency	①: 300Hz ②: 200Hz ③: 300Hz ④: 200Hz
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	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PVC Cable, 4*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.