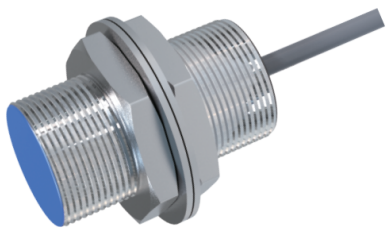
M30 Cylindrical Inductive Proximity Sensor

BIDS-M30-F10-F16-F22-PC2 series · Operating Voltage: 10...30VDC(±10%) · Switching Freq.: 300Hz / 100Hz

IP67
Ingress Protection



KEY SPECIFICATIONS

OPERATING VOLTAGE 10...30VDC(±10%)	SWITCHING FREQ. 300Hz / 100Hz
AMBIENT TEMP. -25...70°C	HOUSING M30*1.5mm
INGRESS PROTECTION IP67	

FEATURES

- Flush mounting
- Middle and long distance detection
- Multiple connection options available

MODEL CODES

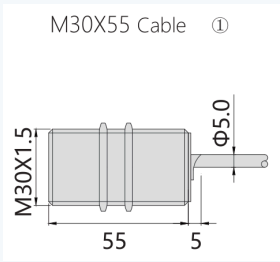
Output Type			
NPN N.O	BIDS-M30-N11F10-PC2 SKU 10103995	BIDS-M30-N11F16-PC2 SKU 10104225	BIDS-M30-N11F22-PC2 SKU 10104269
NPN N.C	BIDS-M30-N21F10-PC2 SKU 10103996	BIDS-M30-N21F16-PC2 SKU 10104226	BIDS-M30-N21F22-PC2 SKU 10104270
PNP N.O	BIDS-M30-P11F10-PC2 SKU 10103997	BIDS-M30-P11F16-PC2 SKU 10104227	BIDS-M30-P11F22-PC2 SKU 10104271
PNP N.C	BIDS-M30-P21F10-PC2 SKU 10103998	BIDS-M30-P21F16-PC2 SKU 10104228	BIDS-M30-P21F22-PC2 SKU 10104272

TECHNICAL DATA

Exterior structure	M30*1.5mm
Sensing distance	①: 10mm(Flush) ②: 16mm(Flush) ③: 22mm(Quasi-Flush)
Switching frequency	①: 300Hz ②: 300Hz ③: 100Hz
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	-25...70°C
Ingress protection	IP67
Housing material	Brass, nickel-plated
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.