M30 Cylindrical Inductive Proximity Sensor

BIDS-M30-F10-F16-F22-S124-S 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-S124-S SKU 10104007	BIDS-M30-N11F16-S124-S SKU 10104237	BIDS-M30-N11F22-S124-S SKU 10104281
NPN N.C	BIDS-M30-N21F10-S124-S SKU 10104008	BIDS-M30-N21F16-S124-S SKU 10104238	BIDS-M30-N21F22-S124-S SKU 10104282
PNP N.O	BIDS-M30-P11F10-S124-S SKU 10104009	BIDS-M30-P11F16-S124-S SKU 10104239	BIDS-M30-P11F22-S124-S SKU 10104283
PNP N.C	BIDS-M30-P21F10-S124-S SKU 10104010	BIDS-M30-P21F16-S124-S SKU 10104240	BIDS-M30-P21F22-S124-S SKU 10104284

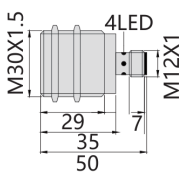
TECHNICAL DATA

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	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M30X48 Connector ①



All dimensions in mm.