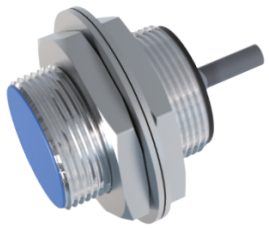
# M30 Cylindrical Inductive Proximity Sensor

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

**IP67**
Ingress Protection



## KEY SPECIFICATIONS

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

FEATURES

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

## MODEL CODES

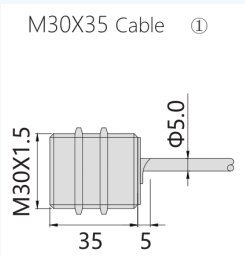
| Output Type | | | |
|---|---|---|---|
| NPN N.O | **BIDS-M30-N11F10-PC2-S**<br>SKU 10103999 | **BIDS-M30-N11F16-PC2-S**<br>SKU 10104229 | **BIDS-M30-N11F22-PC2-S**<br>SKU 10104273 |
| NPN N.C | **BIDS-M30-N21F10-PC2-S**<br>SKU 10104000 | **BIDS-M30-N21F16-PC2-S**<br>SKU 10104230 | **BIDS-M30-N21F22-PC2-S**<br>SKU 10104274 |
| PNP N.O | **BIDS-M30-P11F10-PC2-S**<br>SKU 10104001 | **BIDS-M30-P11F16-PC2-S**<br>SKU 10104231 | **BIDS-M30-P11F22-PC2-S**<br>SKU 10104275 |
| PNP N.C | **BIDS-M30-P21F10-PC2-S**<br>SKU 10104002 | **BIDS-M30-P21F16-PC2-S**<br>SKU 10104232 | **BIDS-M30-P21F22-PC2-S**<br>SKU 10104276 |

## TECHNICAL DATA

| | |
|---|---|
| Exterior structure | M30*1.5mm |
| Sensing distance | ①: 10mm(Flush)<br>②: 16mm(Flush)<br>③: 22mm(Quasi-Flush) |
| Switching frequency | ①: 300Hz<br>②: 300Hz<br>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.*