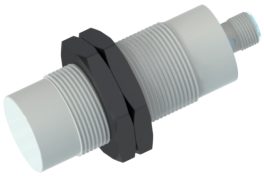
# M30 Cylindrical Capacitive Proximity Sensor

BCDS-M30-A14N30-S124 series · Sensing Distance: 30mm(Non-Flush) · Switching Freq.: 25Hz/25Hz AC,40Hz DC

**IP67**
Ingress Protection



①



②

## KEY SPECIFICATIONS

| | |
|---|---|
| SENSING DISTANCE<br>**30mm(Non-Flush)** | SWITCHING FREQ.<br>**25Hz/25Hz AC,40Hz DC** |
| AMBIENT TEMP.<br>**-25...70°C** | HOUSING<br>**M30*1.5mm** |
| INGRESS PROTECTION<br>**IP67** | |

FEATURES

- Potentiometer for sensitivity adjustment
- Detecting non-metals
- Detection of non-metallic objects depends on the dielectric constant of the object

## MODEL CODES

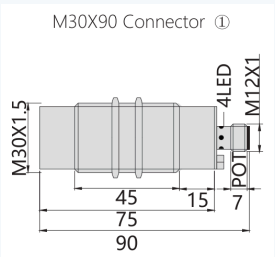
| Output Type | ① | ② |
|---|---|---|
| **AC type — 20...250V AC · 25Hz** | | |
| N.O | **BCDS-M30-A14N30-S124**<br>SKU 10102841 | **BCDP-M30-A14N30-S124**<br>SKU 10102845 |
| N.C | **BCDS-M30-A24N30-S124**<br>SKU 10102842 | **BCDP-M30-A24N30-S124**<br>SKU 10102846 |
| **AC/DC type — 20...250V AC/DC · 25Hz AC,40Hz DC** | | |
| N.O | **BCDS-M30-U15N30-S124**<br>SKU 10102843 | **BCDP-M30-U15N30-S124**<br>SKU 10102847 |
| N.C | **BCDS-M30-U25N30-S124**<br>SKU 10102844 | **BCDP-M30-U25N30-S124**<br>SKU 10102848 |

## TECHNICAL DATA

| | |
|---|---|
| **Exterior structure** | M30*1.5mm |
| **Sensing distance** | 30mm(Non-Flush) |
| **Switching frequency** | AC: 25Hz · AC/DC: 25Hz AC,40Hz DC |
| **Operating voltage** | AC: 20...250V AC · AC/DC: 20...250V AC/DC |
| **Voltage drop** | <9V AC(300mA)/<10V AC,<8V DC |
| **Load current** | Max.load: 300mA; min.Load: 5mA |
| **Residual signal** | <2.5mA |
| **Hysteresis** | <15%(Sr) |
| **Repeatability** | <5.0%(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** | ①: Brass, nickel-plated<br>②: PBT |
| **Sensing face material** | PBT |
| **Connection** | M12 Connector |
| **Accessories** | M12 4 pin cable with connector |

## DIMENSIONAL DRAWINGS




*All dimensions in mm.*