

# ANALOG INDUCTIVE PROXIMITY SENSOR (VOLTAGE OUTPUT)

|                              |
|------------------------------|
| Diameter                     |
| ● Shielded    ○ non-Shielded |
| Switching Distance, Sn: mm   |
| Housing Material             |
| ● With LED    ○ Without LED  |

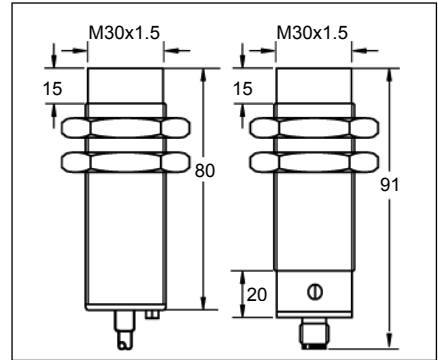
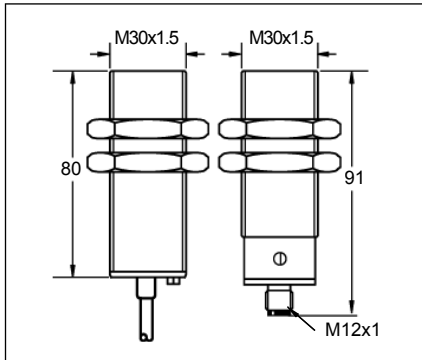
|                     |
|---------------------|
| M30                 |
| ●                   |
| 5-10 mm             |
| Nickel plated brass |
| ○                   |

|                     |
|---------------------|
| M30                 |
| ○                   |
| 7-14 mm             |
| Nickel plated brass |
| ○                   |

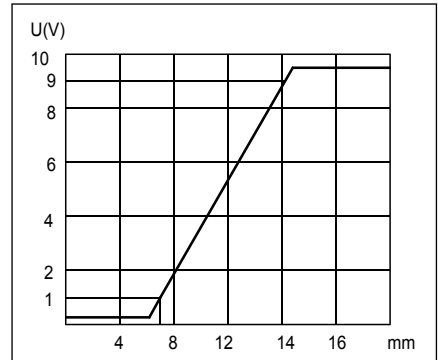
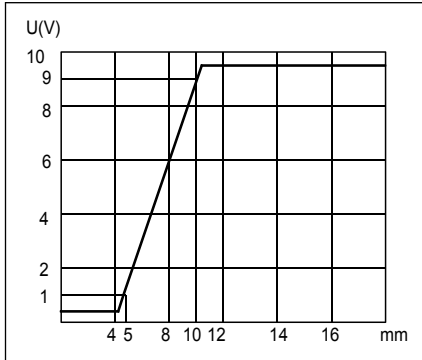
Picture



Dimensions (unit: mm)



Characteristics



|                              |
|------------------------------|
| Max. Ripple                  |
| No Load Current              |
| Output Voltage/Load Resistor |
| Linearity                    |
| Repeat Accuracy              |
| Ambient Temperature          |
| Temperature Drift            |
| Short Circuit Protection     |
| Reverse Polarity Protection  |
| Protection Category          |
| Output Signal                |
| Switch Frequency Max.        |
| EMC                          |
| Shock / Vibration            |
| Material Active Face         |
| Connecting type              |
| Weight                       |

|   |
|---|
| <10%  |
| <15mA   |
| 0-10VDC / ≥4.7K Ω                                     |
| <10%(Sr)  |
| 0.02mm  |
| -25°C - +70°C   |
| <5%(Sr)   |
| -   |
| Yes   |
| IP67  |
| PNP-ANALOG  |
| 100Hz   |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact)                |
| IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2 |
| PBT   |
| 2M Cable (5.0 φ 3x0.34)                               |
| approx.252 g  |
| M12 connector   |
| approx.188 g  |

|   |
|---|
| <10%  |
| <15mA   |
| 0-10VDC / ≥4.7K Ω                                     |
| <10%  |
| 0.02mm  |
| -25°C - +70°C   |
| <5%(Sr)   |
| -   |
| Yes   |
| IP67  |
| PNP-ANALOG  |
| 100Hz   |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact)                |
| IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2 |
| PBT   |
| 2M Cable (5.0 φ 3x0.34)                               |
| approx.250 g  |
| M12 connector   |
| approx.185 g  |

|                                  |
|----------------------------------|
| Analog Voltage Output (18-30VDC) |
|----------------------------------|

|                  |     |                  |
|------------------|-----|------------------|
| IBS-M3010G-V5VN2 | 22* | IBS-M3010G-V5EN4 |
|------------------|-----|------------------|

|                  |     |                  |
|------------------|-----|------------------|
| IBN-M3014G-V5VN2 | 20* | IBN-M3014G-V5EN4 |
|------------------|-----|------------------|

\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.