

# ANALOG INDUCTIVE PROXIMITY SENSOR (CURRENT AND VOLTAGE OUTPUT)

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

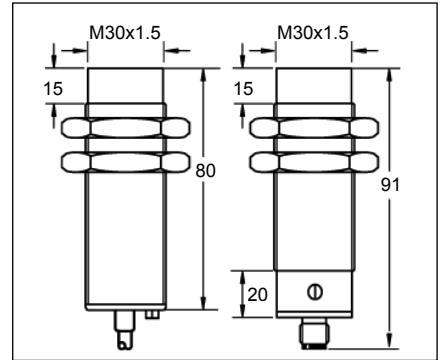
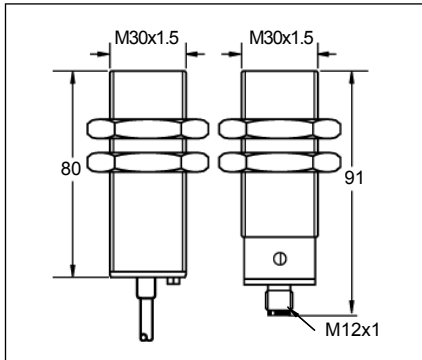
|                     |
|---------------------|
| M30                 |
| ●                   |
| 5-10 mm             |
| Nickel plated brass |
| ○                   |

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

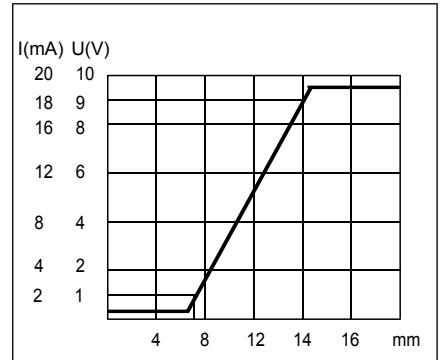
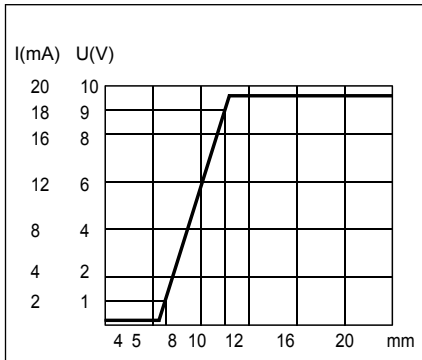
Picture



Dimensions (unit: mm)



Characteristics



|   |
|---|
| Max. Ripple                             |
| No Load Current                         |
| Output Current & 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   |
| 0-20mA / 200 Ω Max. 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.252 g  |
| M12 connector   |
| approx.188 g  |

|   |
|---|
| <10%  |
| <15mA   |
| 0-20mA / 200 Ω Max. 0-10VDC / ≥4.7K Ω                 |
| <10%  |
| 0.02mm  |
| -25 °C - +70 °C                                       |
| <5%(Sr)   |
| -   |
| Yes   |
| IP67  |
| PNP-ANALOG  |
| 30Hz  |
| 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 Current & Voltage Output (18-30VDC) |
|--|

|                  |     |                  |
|------------------|-----|------------------|
| IBS-M3010G-M5VN2 | 21* | IBS-M3010G-M5EN4 |
|------------------|-----|------------------|

|                  |     |                  |
|------------------|-----|------------------|
| IBN-M3014G-M5VN2 | 21* | IBN-M3014G-M5EN4 |
|------------------|-----|------------------|

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