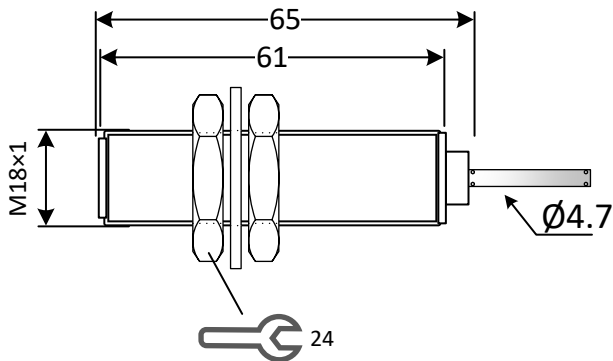


## Inductive Proximity Sensor

### CIP05-18LFDP1

- PNP-NO
- $S_n=5\text{mm}$
- 12-24 VDC (10-30 VDC)
- $I_{MAX}=200\text{mA}$



#### Technical Data

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| Switching output           | PNP Normally Open (NO)                                                               |
| Sensing distance ( $S_n$ ) | 5 mm                                                                                 |
| Standard sensing target    | Iron                                                                                 |
|                            | 18×18×1 mm                                                                           |
| Setting distance ( $S_a$ ) | 4 mm                                                                                 |
| Hysteresis                 | 10%                                                                                  |
| Installation               | Flush mounting                                                                       |
| Output polarity            | DC                                                                                   |
| Output type                | 3 Wire                                                                               |
| Power supply voltage       | 12-24 VDC=                                                                           |
| (Operating voltage)        | (10-30 VDC=)                                                                         |
| Response frequency         | 320Hz                                                                                |
| Output current             | 200 mA                                                                               |
| No load supply current     | 20 mA                                                                                |
| Residual voltage           | 2V                                                                                   |
| Indicator                  | Red LED                                                                              |
| Protection circuit         | Reverse polarity protection,<br>short-circuit protection,<br>over-voltage protection |

#### Environmental Condition

|                     |             |
|---------------------|-------------|
| Ambient temperature | -20 to 60°C |
| Ambient humidity    | 35 to 85%RH |
| IP rating           | IP67        |

#### Mechanical Specification

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| Housing material        | Nickel plated Brass                                     |
| Sensing face            | ABS, orange                                             |
| Connection type         | Cable, PVC                                              |
| Cable length            | 2 m                                                     |
| Cable diameter          | 4.70 mm                                                 |
| Conductor cross section | 0.25 mm <sup>2</sup>                                    |
| Number of conductors    | 3                                                       |
| Cable color             | Black                                                   |
| Weight                  | Approx. 90g                                             |
| Size                    | M18×1                                                   |
| Accessories             | Instruction manual,<br>Clamping nuts, Toothed<br>washer |

#### Wiring Diagram

