



**Features**

- PROTECTION : Short-circuit, Surge Absorber, Reverse connection
- Red Led Display Can Detect Sensor Work Status
- Easy To Set Up And Adjust Distance
- Waterproof, Anti Oil, Temperature And Other Advantages
- IP66 Protection Structure (IEC Specification)
- 1 Year Warranty



**GENERAL CHARACTERISTICS**

|                          |                               |           |
|--------------------------|-------------------------------|-----------|
| Detecting Distance       | NON FLUSH                     | 4mm ± 10% |
| Frequency (Hz)           |                               | 400Hz     |
| Movement Differential    | Max.10% of detecting distance |           |
| Standard Detected Target | Iron 12x12x1mm                |           |

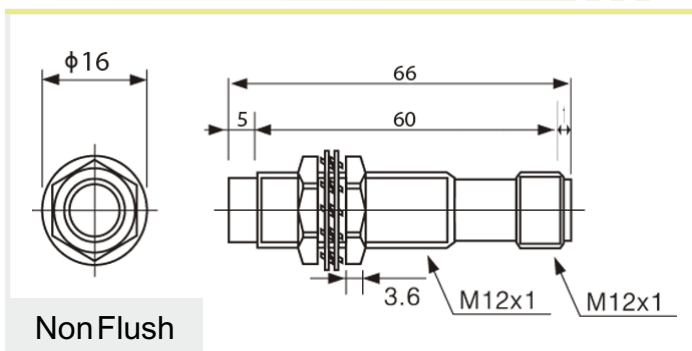
**ORDER CODE**

| MODEL(Ø12mm)  | TYPE | LOGIC | OUTPUT | MOUNT     | RANGE |
|---------------|------|-------|--------|-----------|-------|
| CMD12-C-P4-OC | DC   | PNP   | NO+NC  | NON FLUSH | 4mm   |
| CMD12-C-N4-OC |      | NPN   |        |           |       |

**OPERATING CHARACTERISTICS**

|                          |           |
|--------------------------|-----------|
| Supply Voltage (V)       | 10-30VDC  |
| Current Consumption (mA) | 2.2mA max |
| Load Current (mA)        | 200mA max |
| Voltage Drop (Vp)        | 10V max   |

**DIMENSIONS**



**ENVIRONMENT**

|                       |  |
|-----------------------|--|
| Operating Temperature | -25°C to + 70°C (non freezing condition) |
| Ambient Humidity      | 35% to 95% RH                            |
| Insulation Resistance | Min 50MΩ (500VDC)                        |
| Dielectric Strength   | 1500VAC 50/60Hz for 1 minute             |

**OTHER CHARACTERISTICS**

|                  |                          |         |
|------------------|--------------------------|---------|
| Indicator        | Operating                | Red LED |
| Material         | Case                     | BRASS   |
|                  | Detecting surface        | ABS     |
| Protection Grade | IP66 (IEC Specification) |         |
| Authentication   | CE                       |         |

**PROTECTION & SECURITY**

|                    |   |
|--------------------|---|
| Protection Circuit | Reverse Polarity Protection, Surge Absorber, Short Circuit Protection       |
| Vibration          | 1mm amplitude at 10 ~ 55Hz Frequency for 120 min each in X, Y, Z Directions |
| Shock              | 500m/s <sup>2</sup> (50G) for 3 times in X, Y, Z Directions                 |