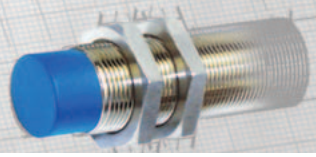



# UTILIZATION OF SENSORS

More detailed explanations on the catalogue, at the beginning of each section.

## INDUCTIVE SENSORS

**Detection of metal objects**

Advantages:

- Low cost
- Complete insensitivity to dust, grease, water, non-metal materials

## CAPACITIVE PROXIMITY SENSORS

**Detection of metal and non-metal objects**

Advantages:

- Possibility to adjust the switching point
- Insensitivity to dust on the sensing area (in limited quantity)

## MAGNETIC SENSORS

**Detection of external magnets**

Advantages:

- Very low cost
- High sensing distances with very small sensors
- High resistance under pressure

**Detection of ferromagnetic objects**

Advantages:

- Insensitivity to non ferromagnetic metals (aluminium, brass, copper, gold, silver…)

## SPEED SENSORS

**Detection of toothed wheels or holes**

Advantages:

- Small teeth detection
- High switching frequency
- Very rugged construction
- High resistance to high temperatures and pressure
- Possibility of speed and direction detection with the same sensor
- Versions with integrated control and self-teaching thresholds