

# Proximity • Photoelectric • Ultrasonic Sensors



**Sensors**  
Proximity  
Photoelectric  
Ultrasonic



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## General information

### Proximity sensors

- Inductive & capacitive
  - Non-contact sensing
  - Extremely long life
  - High speed switching frequency
  - Short circuit protection
  - AC & DC models
- Inductive
  - Metallic objects only
  - Sensing distances from 0.8 to 50mm
  - Large selection of 2 wire, 3 wire and 4 wire models
  - Choice of quick disconnect, cable or terminal connection
  - Stainless steel, Nickel-plated brass or Crastin housings
- Capacitive
  - Nonmetallic objects (paper, cardboard, plastic, etc.)
  - Fluids & metallic objects
  - 10mm sensing range
  - Objects may be sensed through glass or plastic
  - Choice of quick disconnect or cable
  - Stainless steel housing

### Photoelectric sensors

- Diffused mode
  - Sensing distances up to 800mm
  - Subcompact, compact and cylindrical models
  - Choice of quick disconnect, cable or terminal connection
  - Light on or dark on operation
- Retro-reflective mode
  - Sensing distances up to 5 m
  - Subcompact, compact and cylindrical models
  - Choice of quick disconnect, cable or terminal connection
  - Light on or dark on operation
- Fiber-optic cable for use with small objects
  - Retro-reflective and thru-beam

### Ultrasonic sensors

- Switch or analog outputs
- Sensing distances up to 6m
- Stainless steel housing
- Quick disconnect