

# GLASS DETECTION

## FR 20 RG I Retro-reflective sensor for the detection of glass with autocollimation



### The solution for the detection of transparent materials, especially glass containers

The latest offspring of the large F20 line is specialist for the detection of containers made of glass. Thanks to the autocollimation principle, it detects transparent materials of any shape throughout the entire detection range.

Reflections of mirroring surfaces are effectively suppressed by means of a polarisation filter.

The FR 20 RG I autocollimation sensor is supplied in the F 20 miniature housing (32 x 20 x 12 mm<sup>3</sup>) and is thus suitable for restricted spaces. It may be configured easily and conveniently per Teach-in.

### Typical applications

- Detection of bottles in bottling plants
- Detection of ampullas in the pharmaceutical industry
- Detection of transparent foils in the food industry

### Properties

- *Auto-collimation principle for the reliable detection of transparent objects of any shape*
- *Miniature sensor range*
- *Working distance 5...500 mm*
- *Temperature compensation to ensure reliable switching throughout the entire temperature range*
- *Polarization filter*
- *Teach-in*
- *Red light 660 nm*
- *N.O. - N.C. selectable*
- *Small hysteresis*
- *External Teach for setting and disabling the teach button*

