

# The Reflex Light Barrier Without Reflector





## Reliable Detection of Dark, Transparent and Reflective Objects

Their innovative functional principle saves time and money during assembly and initial start-up: after simply pressing the teach-in key, reflex light barriers detect any object located between themselves and any defined background. Even transparent objects like glass, PET and sheet materials are detected without a reflector. An intelligent function for dynamic readjustment of the switching threshold provides for additional process reliability. It compensates for external influences such as contamination and temperature fluctuation, and thus reduces downtime.



- **Time and money saving** thanks to mounting without reflector
- Large **range of up to 500 mm**
- Dynamic **readjustment of the switching threshold**
- **Visible red light** for easy alignment
- Quick and simple setup via **teach-in**
- **Compact housing**: 54.5 × 27 × 16 mm
- Can be used in harsh environments thanks to **IP67 protection** and a **temperature range of -40 to +60° C**





## More Space for an Unlimited Range of Applications



### Packaging Industry

In packaging processes, the reflex light barrier checks for the presence of transparent packaging materials, for example cellophane and blister packs.



### Food Industry

Reflex light barriers detect transparent packaging such as trays, before they're filled with meats or other perishables.



### Machinery Manufacturing

By doing without reflectors, the reflex light barriers require less space and thus simplify design engineering and the layout of compact machines.



### Logistics

Reflex light barriers detect all objects transported by conveyor systems. The side panel of a conveyor system can be used as a reference background in this case.



### Beverages Industry

Reflex light barriers monitor the presence of beverage bottles uninterruptedly throughout the entire product lifecycle – beginning with production of the bottles and filling, right on up to machines for the return of bottles with refundable deposit.



### Pharmaceuticals Industry

During the production of pharmaceutical products, reflex light barriers monitor the flow of material to small glass bottles in the filling systems.



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