

# The Reflex Light Barrier Without Reflector



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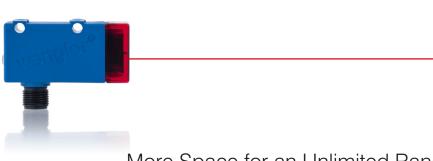
Their innovative functional principle saves time and money during assembly and initial start-up: after simply pressing the teach-in key, reflex light barriers detect any object located between themselves and any defined background. Even transparent objects like glass, PET and sheet materials are detected 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:  $54.5 \times 27 \times 16$  mm
- Can be used in harsh environments thanks to IP67 protection and a temperature range of -40 to +60° C





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# 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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