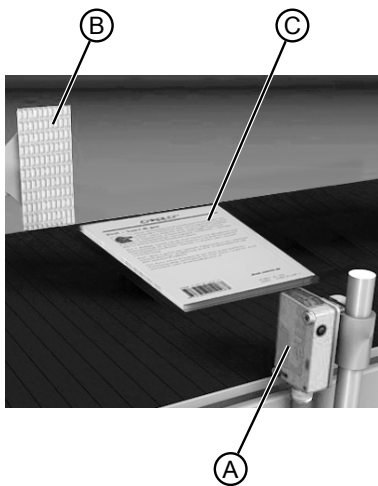
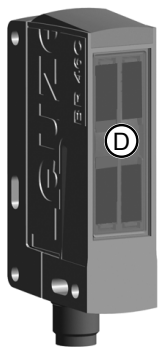


## Retro-reflective photoelectric sensors

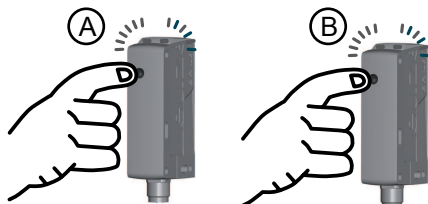
### RK46C VarOS polybag



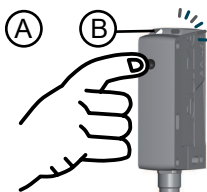
1



**2**



**3**



## Precise alignment of sensor

### 1

#### Reliable detection of flat objects

A	Sensor
B	Reflector
C	Object
D	Light beam gate

- ↪ Align the sensor (A) so that the light-band is as parallel to the conveyor line as possible. The light-band may dip below surface level here.  
The reflector (B) on the opposing side must have a complete reflective surface that is at least 50 mm wide and 30 mm tall above the conveyor.

#### NOTICE



For optimum alignment, we recommend alignment aid BT ARH 46.DL (part no. 50143109)

## Teach procedure for sensor

#### NOTICE



It is essential to teach the sensor before it is used for the first time!  
The sensor is factory-set to the maximum operating range.

### 2

	Teach	
Sensor sensitivity	Standard	Reduced resolution with higher function reserve
Switching behavior	The sensor switches to objects with a height of $\geq 5$ mm. This corresponds to a switching threshold of 11 %.	The sensor switches to objects with a height of $\geq 10$ mm. This corresponds to a switching threshold of 30 %.

Typical application	Reliable detection of objects with a diameter of $\geq 5$ mm	Reliable detection of objects with a diameter of $\geq 10$ mm
Setting	<p style="text-align: center;"><b>(A)</b></p> <ul style="list-style-type: none"> <li>☞ Clear light path to reflector.</li> <li>☞ Press teach button (2 to 7 s) until both LEDs (green/yellow) flash synchronously.</li> <li>☞ Release teach button.</li> </ul>	<p style="text-align: center;"><b>(B)</b></p> <ul style="list-style-type: none"> <li>☞ Clear light path to reflector.</li> <li>☞ Press teach button (7 to 12 s) until both LEDs (green/yellow) flash alternately.</li> <li>☞ Release teach button.</li> </ul>
Acknowledgment	Teach successful: Both LEDs (green/yellow) remain lit.	
	Teach not successful: Yellow LED flashes. Repeat teach procedure.	

### *Light/dark switching – Adjustment of switching behavior of switching outputs*

## 3

Light/dark switching	<p>The yellow LED indicates the current setting of the switching outputs.</p> <p>ON = OUT 1 light switching output, OUT 2 dark switching output</p> <p>OFF = OUT 1 dark switching output, OUT 2 light switching output</p> <ul style="list-style-type: none"> <li>☞ Press teach button (&gt; 12 s) until green LED flashes.</li> <li>☞ Release teach button.</li> <li>⇨ Switchover is complete.</li> </ul>	<p style="text-align: center;"><b>(A)</b></p> <p>B: Yellow LED</p>
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