

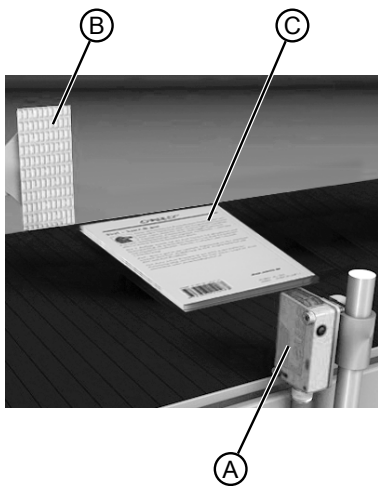
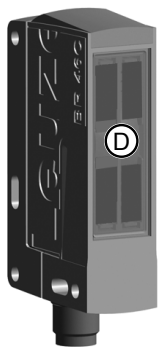
Retro-reflective photoelectric sensors

We reserve the right to make changes – 2019/08/27 – 50142040

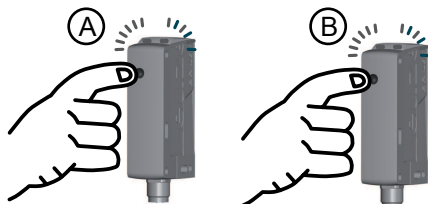
RK46C VarOS polybag



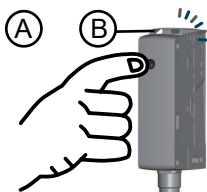
1



2



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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.

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

Typical application	Reliable detection of objects with a diameter of ≥ 5 mm	Reliable detection of objects with a diameter of ≥ 10 mm
Setting	<p style="text-align: center;">Ⓐ</p> <ul style="list-style-type: none"> ☞ Clear light path to reflector. ☞ Press teach button (2 to 7 s) until both LEDs (green/yellow) flash synchronously. ☞ Release teach button. 	<p style="text-align: center;">Ⓑ</p> <ul style="list-style-type: none"> ☞ Clear light path to reflector. ☞ Press teach button (7 to 12 s) until both LEDs (green/yellow) flash alternately. ☞ Release teach button.
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"> ☞ Press teach button (> 12 s) until green LED flashes. ☞ Release teach button. ☞ Switchover is complete. 	<p style="text-align: center;">Ⓐ</p> <p>B: Yellow LED</p>
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