Roller Sensor Bar

Flexible conveyor belt sensor for detecting irregular leading edges

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SICK
Sensor Intelligence.

Advantages

Easy and quick installation with spring-loaded mounting

Reduce installation time by up to 30% by taking advantage of the Roller Sensor Bar's spring-loaded end cap for seamless integration into the conveyor side channel using standard mounting brackets. Decrease installation costs by pre-mounting the sensor in the factory, thereby reducing field labor costs.

Flexible mounting options offer quick and easy integration into roller conveyors, flexible conveyors, live roller conveyers, between belted conveyor sections, and into automated storage and retrieval systems

The self-centering spring-loaded mounting mechanism ensures a quick commissioning experience by eliminating the need for installation tools and added accessories

Performance for individual applications

Optimize the conveyor sensor's performance by selecting a Roller Sensor Bar configuration that is designed for application requirements. The Roller Sensor Bar reduces blind zones on either end of the conveyor by offering housing lengths between 200 mm-1200 mm (7.87" – 47.24"). Configuring the length of the sensor allows for integration into many conveyor types. Performance is configured by selecting a beam spacing between 50 mm and 200 mm (1.97" - 7.87") to detect poly bags, jiffy packs, boxes, totes, and pallets. Mount the sensor between rollers or belted sections to detect objects between conveyor sections and in transfer zones.

Optimize sensor performance based on application needs: the Roller Sensor Bar accommodates between 2-8 sensing points and beam spacing between 50mm – 200 mm (1.97" - 7.87"). Remove blind zones on the near and far side of the conveyor bed by selecting a beam spacing which meets minimum detectable object requirements.

Seamless integration into conveyor control panels with 10 catalog connection types and 9 standard cable lengths

Mounting of the Roller Sensor Bar between belt sections

Precise leading edge detection and object overhang detection to decrease conveyor jams and increase efficiency

Eliminate the need to qualify multiple sensing solutions by leveraging the Roller Sensor Bar, which is configured to detect distances between 200 mm and 1200 mm (7.87" – 47.24") for a variety of conveyor widths.

Reliable sensor technology

Equipped with excellent ambient light immunity, the Roller Sensor Bar increases throughput by reducing false trips on objects in the background. Leveraging IO-link provides diagnostic application information. The IO-Link technology delivers real time status information to avoid unplanned downtimes and conveyor jams.
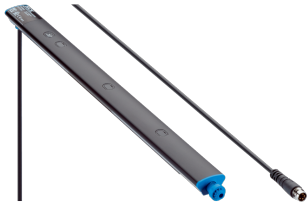
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Obtain application diagnostic information to reduce conveyor downtime through IO-Link. IO-Link provides individual beam status information which can be used for product alignment and the skewing of objects across the conveyor bed

Reduce conveyor downtime by decreasing false detections on objects in the background using the Roller Sensor Bar's ambient light immunity and pre-programmed sensing range

No ingress of dust, and impervious to water while cleaning due to the Roller Sensor Bar's IP67 rated housing

Technical data overview

Dimensions (W x H x D)	891 mm x 20.3 mm x 17 mm [1]
	380 mm x 20.3 mm x 17 mm [1]
	472 mm x 20.3 mm x 17 mm [1]
	672 mm x 20.3 mm x 17 mm [1]
	825 mm x 20.3 mm x 17 mm [1]
	457 mm x 20.3 mm x 17 mm [1]
	386 mm x 20.3 mm x 17 mm [1]
	440 mm x 20.3 mm x 17 mm [1]
	465 mm x 20.3 mm x 17 mm [1]
	486 mm x 20.3 mm x 17 mm [1]
	500 mm x 20.3 mm x 17 mm [1]
	586 mm x 20.3 mm x 17 mm [1]
	786 mm x 20.3 mm x 17 mm [1]
	1,000 mm x 20.3 mm x 17 mm [1]
	1,200 mm x 20.3 mm x 17 mm [1]
	350 mm x 20.3 mm x 17 mm [1]
	460 mm x 20.3 mm x 17 mm [1]
	550 mm x 20.3 mm x 17 mm [1]
	600 mm x 20.3 mm x 17 mm [1]
	762 mm x 20.3 mm x 17 mm [1]
	910 mm x 20.3 mm x 17 mm [1]
	636 mm x 20.3 mm x 17 mm [1]
	200 mm x 20.3 mm x 17 mm [1]
	345 mm x 20.3 mm x 17 mm [1]
	410 mm x 20.3 mm x 17 mm [1]
	450 mm x 20.3 mm x 17 mm [1]
	682 mm x 20.3 mm x 17 mm [1]
	610 mm x 20.3 mm x 17 mm [1]
	914 mm x 20.3 mm x 17 mm [1]
	458 mm x 20.3 mm x 17 mm [1]
	520 mm x 20.3 mm x 17 mm [1]
	310 mm x 20.3 mm x 17 mm [1]
	462 mm x 20.3 mm x 17 mm [1]
	560 mm x 20.3 mm x 17 mm [1]
	614 mm x 20.3 mm x 17 mm [1]
	615 mm x 20.3 mm x 17 mm [1]
	768 mm x 20.3 mm x 17 mm [1]
	920 mm x 20.3 mm x 17 mm [1]
	1,073 mm x 20.3 mm x 17 mm [1]
	559 mm x 20.3 mm x 17 mm [1]
	859 mm x 20.3 mm x 17 mm [1]
Light source	LED
Type of light	Infrared light
Enclosure rating	IP67
Housing material	Metal
Adjustment	None

[1] W = length of Roller Sensor Bar (in the installed state).

Product description

The Roller Sensor Bar conveyor sensor is designed to be mounted between rollers and is an elegant, simple solution for reliable detection of objects with irregular leading edges. Sensing performance is optimized through the ability to configure length and beam

spacing to the mm. By mounting the Roller Sensor Bar between the rollers, object catch points can be removed thereby decreasing conveyor downtime due to jams. The spring-loaded assembly of the Roller Sensor Bar, which can be mounted in the factory rather than in the field, decreases installation costs by more than half. Commissioning costs are reduced by eliminating the need to teach and align the sensor.

At a glance

- Precise detection of leading edges
- Outstanding ambient light immunity
- Easy installation
- Housing length: 200 mm to 1,200 mm (7.87" – 47.24")
- Beam separation: 50 mm to 200 mm (1.97" - 7.87")
- Number of sensing points: 2 to 8
- IO-link allows for individual beam break information for product alignment

Your benefits

- Reduce conveyor downtime due to false switchings on background-objects
- Optimize sensor performance by configuring beam spacing to the mm
- Increase detection area across the entire conveyor bed by removing blind zones on the near and far side of the conveyor
- IO-Link provides individual beam break information which can be used for product alignment.
- Significantly decrease installation costs with a tool-free installation using a spring-loaded end cap
- Eliminate the need for sensor alignment and teaching with factory preset sensing range

Ordering information

Other models and accessories ➜ www.sick.com/Roller_Sensor_Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 891 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-0891H099099P-P1GZZZP0A	1129439

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 380 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-0380F050065AA1DZZZP(	1130290

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 472 mm
- **Detection principle:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M8, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0472D094095FP3DZZZP0A	1127366
RSB1-0472D094095FP3DZZZP0C	1127572
RSB1-0472D094095FP3DZZZZZZ	1127570

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 672 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0672D134135F-P3DZZZP0A	1127367
		RSB1-0672D134135F-P3DZZZP0C	1127573
		RSB1-0672D134135F-P3DZZZZZZ	1127571
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0672E121094HKAHZZZZ	1130385

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 825 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0825C200213PZ4DZZZP0	1129839
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0825D165165PZ3DZZZP0	1129150
			1129438
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0825G106095HKAHZZZZ	1130386

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 457 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0457B200129FZ3HZZZP0	1128649
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0457C100129AB4CZZZZ	1130794

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 386 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-0386C105088KK3FZZZZ	1126332

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 440 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0440C110110F-F3BZZZZZZ	1128896
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0440C125095HKAHZZZZ	1130381

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 465 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-0465C116117F-P3EZZZZZZ	1128210

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 486 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-0486C130113KK3FZZZZ	1126316

[1] Due to the manufacturing process, the cable can be a little longer.

Roller Sensor Bar
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- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 500 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0500C125125F-P4EZZZP0B	1129554
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0500C125125F-P3CZZZZZZ	1127674
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0500D103096HKAHZZZZ	1130383

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 586 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-0586C155138KK3FZZZZ	1126317

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 786 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-0786E137119KK3FZZZZ	1126318

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,000 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M8, 4-pin, with knurled nut [1]	–	RSB1-1000H100150PF3DZZZZ	1131017

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,200 mm
- **Detection principle:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-1200H134131F-P3EZZZZZZ	1126613
Cable with male connector M8, 4-pin, snap [1]	RSB1-1200H134131PF5GZZZZ	1129400

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 350 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0350F050050AA4DZZZP(	1129768

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 460 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0460D092092AZ4CZZZP(	1129944

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 550 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0550E055165F-P4CZZZP0A	1129423

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 600 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0600H069059AB4BZZZP(	1128730

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 762 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with male connector M8, 4-pin, snap [1]	RSB1-'62F109109FZ5EZZZP(	1129104
		RSB1-0762G095096F-P5EZZZZZZ	1126614
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0762C150231AZ4GZZZP(	1129052

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 910 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0910H101102BA4KZZZP	1130380

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 636 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0636C159159PZ4DZZZP0	1129840

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 200 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
NPN	Cable with male connector M8, 4-pin, snap [1]	RSB1-0200B070065NE5GZZZZ	1129399
PNP		RSB1-0200B070065PF5GZZZZ	1129603
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0200B060070BA4EZZZZ	1126611

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 345 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0345D069069F-P4DZZZZZZ	1128591

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 410 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0410D082082BZ4CZZZZ	1126612

[1] Due to the manufacturing process, the cable can be a little longer.

Roller Sensor Bar
PHOTOELECTRIC SENSORS

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 450 mm
- **Detection principle:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
NPN	Cable with male connector M8, 4-pin, snap [1]	RSB1-0450H050050NE5GZZZZ	1129398
PNP	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0450H050050F-P4BZZZZZ	1128626
	Cable with male connector M8, 4-pin, snap [1]	RSB1-0450H050050PF5GZZZZ	1129602
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0450D087095HKAHZZZZ	1130382

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 682 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector M12, 4-pin, with knurled nut [1]	–	RSB1-0682C170171AB4CZZZZ	1130795

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 610 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with male connector M8, 4-pin, snap [1]	–	RSB1-0610E102101FZ5EZZZP(	1129103

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 914 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with male connector M8, 4-pin, snap [1]	–	RSB1-0914H102100FZ5EZZZP(	1129105

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 458 mm
- **Detection principle:** Energetic
- **Switching output:** push-pull: PNP/NPN

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with male connector M8, 4-pin, snap [1]	–	RSB1-0458C115114BA5DZZZZ	1126184

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 520 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with male connector M8, 4-pin, snap (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0520C130130HZ5EZZZZZZ	1130183
RSB1-0520C130130KZ5EZZZZZZ	1125559

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 310 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0310D070050KHAEZZZZZZ	1130975
RSB1-0310D070050KHAGZZZZZZ	1130976

Roller Sensor Bar
PHOTOELECTRIC SENSORS

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 462 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0462E090051KHAEZZZZZZ	1130977
RSB1-0462E090051KHAGZZZZZZ	1130978

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 560 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with connector RJ12, 6-pin [1]	–	RSB1-0560G070070F-PAEZZZZZZ	1129145

[1] Due to the manufacturing process, the cable can be a little longer.

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 614 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0614D106148HKAHZZZZZZ	1130384
RSB1-0614F100057KHA1ZZZZZZ	1125706

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 615 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0615F103050KHAEZZZZZZ	1130979
RSB1-0615F103050KHAGZZZZZZ	1130980

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 768 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0768G111051KHAEZZZZZZ	1130973
RSB1-0768G111051KHAGZZZZZZ	1130974

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 920 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0920G128076KHAEZZZZZZ	1130983
RSB1-0920G128076KHAGZZZZZZ	1130984

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,073 mm
- **Detection principle:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** cable with connector RJ12, 6-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-1073H131078KHAEZZZZZZ	1130985
RSB1-1073H131078KHAGZZZZZZ	1130986

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 559 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with MOLEX-connector 43025-0400, 4-pin [1]	–	RSB1-0559E100080PZE-FZZZZZZ	1130311

[1] Due to the manufacturing process, the cable can be a little longer.

Roller Sensor Bar
PHOTOELECTRIC SENSORS

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Sensor principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 859 mm
- **Detection principle:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with MOLEX-connector 43025-0400, 4-pin [1]	–	RSB1-0859H100080PZE-FZZZZZZ	1130312

[1] Due to the manufacturing process, the cable can be a little longer.

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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