Roller Sensor Bar

Flexible conveyor belt sensor for detecting irregular leading edges

SICK
Sensor Intelligence.

Roller Sensor Bar

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
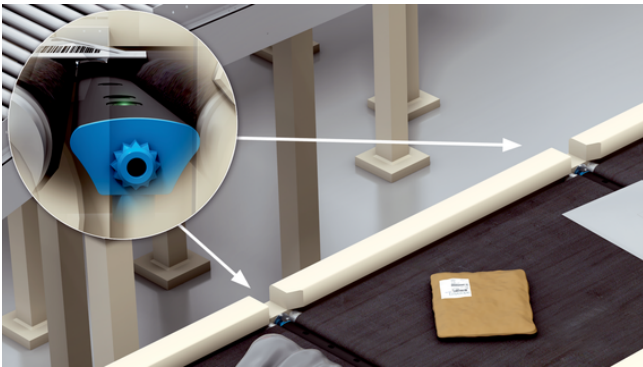

Performance for individual applications

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.
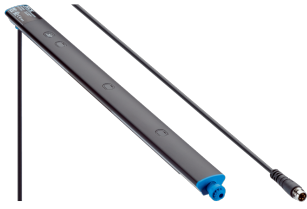
Reliable sensor technology

Equipped with excellent ambient light immunity, the Roller Sensor Bar increases throughput by reducing false trips on objects in the background.

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)	
	662 mm x 20.3 mm x 17 mm [1]
	891 mm x 20.3 mm x 17 mm [1]
	510 mm x 20.3 mm x 17 mm [1]
	380 mm x 20.3 mm x 17 mm [1]
	820 mm x 20.3 mm x 17 mm [1]
	404 mm x 20.3 mm x 17 mm [1]
	340 mm x 20.3 mm x 17 mm [1]
	462 mm x 20.3 mm x 17 mm [1]
	682 mm x 20.3 mm x 17 mm [1]
	1,143 mm x 20.3 mm x 17 mm [1]
	910 mm x 20.3 mm x 17 mm [1]
	420 mm x 20.3 mm x 17 mm [1]
	472 mm x 20.3 mm x 17 mm [1]
	620 mm x 20.3 mm x 17 mm [1]
	672 mm x 20.3 mm x 17 mm [1]
	1,020 mm x 20.3 mm x 17 mm [1]
	559 mm x 20.3 mm x 17 mm [1]
	561 mm x 20.3 mm x 17 mm [1]
	711 mm x 20.3 mm x 17 mm [1]
	713 mm x 20.3 mm x 17 mm [1]
	755 mm x 20.3 mm x 17 mm [1]
	825 mm x 20.3 mm x 17 mm [1]
	250 mm x 20.3 mm x 17 mm [1]
	358 mm x 20.3 mm x 17 mm [1]
	376 mm x 20.3 mm x 17 mm [1]
	464 mm x 20.3 mm x 17 mm [1]
	469 mm x 20.3 mm x 17 mm [1]
	618 mm x 20.3 mm x 17 mm [1]
	664 mm x 20.3 mm x 17 mm [1]
	669 mm x 20.3 mm x 17 mm [1]
	457 mm x 20.3 mm x 17 mm [1]
	600 mm x 20.3 mm x 17 mm [1]
	810 mm x 20.3 mm x 17 mm [1]
	200 mm x 20.3 mm x 17 mm [1]
	310 mm x 20.3 mm x 17 mm [1]
	386 mm x 20.3 mm x 17 mm [1]
	400 mm x 20.3 mm x 17 mm [1]
	425 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]
	474 mm x 20.3 mm x 17 mm [1]
	486 mm x 20.3 mm x 17 mm [1]
	490 mm x 20.3 mm x 17 mm [1]
	500 mm x 20.3 mm x 17 mm [1]
	525 mm x 20.3 mm x 17 mm [1]
	560 mm x 20.3 mm x 17 mm [1]
	586 mm x 20.3 mm x 17 mm [1]
	615 mm x 20.3 mm x 17 mm [1]
	625 mm x 20.3 mm x 17 mm [1]
	768 mm x 20.3 mm x 17 mm [1]
	786 mm x 20.3 mm x 17 mm [1]
	920 mm x 20.3 mm x 17 mm [1]

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

	1,000 mm x 20.3 mm x 17 mm [1]
	1,073 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]
	410 mm x 20.3 mm x 17 mm [1]
	460 mm x 20.3 mm x 17 mm [1]
	475 mm x 20.3 mm x 17 mm [1]
	550 mm x 20.3 mm x 17 mm [1]
	762 mm x 20.3 mm x 17 mm [1]
	860 mm x 20.3 mm x 17 mm [1]
	295 mm x 20.3 mm x 17 mm [1]
	300 mm x 20.3 mm x 17 mm [1]
	636 mm x 20.3 mm x 17 mm [1]
	710 mm x 20.3 mm x 17 mm [1]
	320 mm x 20.3 mm x 17 mm [1]
	650 mm x 20.3 mm x 17 mm [1]
	685 mm x 20.3 mm x 17 mm [1]
	345 mm x 20.3 mm x 17 mm [1]
	409 mm x 20.3 mm x 17 mm [1]
	411 mm x 20.3 mm x 17 mm [1]
	450 mm x 20.3 mm x 17 mm [1]
	570 mm x 20.3 mm x 17 mm [1]
	609 mm x 20.3 mm x 17 mm [1]
	611 mm x 20.3 mm x 17 mm [1]
	640 mm x 20.3 mm x 17 mm [1]
	842 mm x 20.3 mm x 17 mm [1]
	850 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]
	864 mm x 20.3 mm x 17 mm [1]
	614 mm x 20.3 mm x 17 mm [1]
	725 mm x 20.3 mm x 17 mm [1]
	863 mm x 20.3 mm x 17 mm [1]
	856 mm x 20.3 mm x 17 mm [1]
	859 mm x 20.3 mm x 17 mm [1]
	556 mm x 20.3 mm x 17 mm [1]
Functional principle detail	Energetic
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

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
- 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

Roller Sensor Bar

Ordering information

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 662 mm
- **Functional principle detail:** 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]	RSB1-0662E120091PP3DZZZP0B	1134561
	Cable, 4-wire [1]	RSB1-0662C170161PZ1GZZZZZZ	1140702
		RSB1-0662E120091PP1GZZZZZZ	1135248
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0662E130071BA4BZZZP0B	1134314
	Cable, 4-wire [1]	RSB1-0662E108115AB1EZZZP0A	1133153

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

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

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-0891H099099PP1GZZZP0A	1129439

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 510 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-0510E100050HZ1DZZZP0B	1137237

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 380 mm
- **Functional principle detail:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable, 4-wire (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Switching output	Type	Part no.
PNP	RSB1-0380F050065PP1FZZZZZZ	1131479

Switching output	Type	Part no.
PNP: open collector	RSB1-0380F050065HH1FZZZZZZ	1131710
Push-pull: PNP/NPN	RSB1-0380F050065AA1DZZZP0C	1130290

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 820 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **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]	RSB1-0820E108108AB3CZZZP0A	1141993
	RSB1-0820G108108AB3CZZZP0A	1141992
Cable, 4-wire [1]	RSB1-0820F117117AZ1GZZZP0C	1140826

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 404 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0404F060050AB4DZZZP0B	1137057
Cable, 4-wire [1]	RSB1-0404D093063AB1GZZZP0D	1131311

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 340 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-0340E060050PF1GZZZZZZ	1133039

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 462 mm
- **Functional principle detail:** 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]	RSB1-0462D115059PP3DZZZP0B	1134560
	Cable, 4-wire [1]	RSB1-0462B170146PZ1GZZZZZZ	1140701
		RSB1-0462D115059PP1GZZZZZZ	1135249
PNP: open collector	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0462E090051KH3EZZZZZZ	1139194
		RSB1-0462E090051KH3GZZZZZZ	1139203
	Cable with connector RJ12, 6-pin [1]	RSB1-0462E090051KHAEZZZZZZ	1130977
		RSB1-0462E090051KHAGZZZZZZ	1130978
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0462D110066BA4BZZZP0B	1134316

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 682 mm
- **Functional principle detail:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
NPN: open collector	Cable, 4-wire [1]	RSB1-0682B150266GZ1GZZZZZZ	1132572
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0682C170171AB4CZZZZZZ	1130795

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,143 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable, 4-wire [1]	–	RSB1-1143F184112FP1KZZZZZZ	1131862

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 910 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0910H101102BA4KZZZP0A	1130380
Cable with connector M8, 3-pin [1]	RSB1-0910H101050AZ2DZZZP0A	1140522

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 420 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **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.
RSB1-0420C070140BA3BZZZZZZ	1126029
RSB1-0420C070140BA3CZZZZZZ	1126030
RSB1-0420C070140BA3DZZZZZZ	1126031
RSB1-0420C070140BA3EZZZZZZ	1126032
RSB1-0420C070140BA3KZZZZZZ	1140167
RSB1-0420C105105AB3CZZZP0A	1141990

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 472 mm
- **Functional principle detail:** 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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 620 mm
- **Functional principle detail:** 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 M8, 4-pin, with knurled nut [1]	–	RSB1-0620E108108AB3CZZZP0A	1141991

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 672 mm
- **Functional principle detail:** 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]	RSB1-0672D134135FP3DZZZP0A	1127367
		RSB1-0672D134135FP3DZZZP0C	1127573
		RSB1-0672D134135FP3DZZZZZZ	1127571
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0672E121094HKAHZZZZZZ	1130385

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,020 mm
- **Functional principle detail:** 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 M8, 4-pin, with knurled nut [1]	–	RSB1-1020H108108AB3CZZZP0A	1141994

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 559 mm
- **Functional principle detail:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with MOLEX-connector 43025-0400, 4-pin [1]	RSB1-0559E100080PZEFZZZZZZ	1130311

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

Switching output	Connection type	Type	Part no.
Push-pull: PNP/NPN	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0559C140140AA3CZZZP0B	1134645

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 561 mm
- **Functional principle detail:** 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]	–	RSB1-0561E085105PZ3GZZZP0B	1137508

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 711 mm
- **Functional principle detail:** 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]	–	RSB1-0711F108085PZ3GZZZP0B	1136985

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 713 mm
- **Functional principle detail:** 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]	–	RSB1-0713F100105PZ3GZZZP0B	1137319

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 755 mm
- **Functional principle detail:** 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]	–	RSB1-0755D151151PF3GZZZP0B	1142626

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 825 mm
- **Functional principle detail:** 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]	RSB1-0825C200213PZ4DZZZP0B	1129839
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0825D165165PZ3DZZZP0B	1129150
			1129438
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0825G106095HKAHZZZZZZ	1130386

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 250 mm
- **Functional principle detail:** 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]	RSB1-0250D050050PF4CZZZP0D	1140140
Push-pull: PNP/NPN	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0250D050050AA3FZZZP0C	1131565

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 358 mm
- **Functional principle detail:** 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]	–	RSB1-0358D086050FZ3DZZZP0C	1138373

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 376 mm
- **Functional principle detail:** 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]	–	RSB1-0376C108076FZ3DZZZP0C	1138121

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 464 mm
- **Functional principle detail:** 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.
RSB1-0464D095110FZ3CZZZP0C	1136246
RSB1-0464F055139FZ3CZZZP0C	1136248

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 469 mm
- **Functional principle detail:** 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.
RSB1-0469D102094FZ3DZZZP0C	1136420
RSB1-0469F055140FZ3CZZZP0C	1136570

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 618 mm
- **Functional principle detail:** 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]	RSB1-0618E108108FZ3DZZZP0C	1137617
PNP: open collector	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0618F100050HK4CZZZP0C	1142751

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 664 mm
- **Functional principle detail:** 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]	–	RSB1-0664D140140FZ3CZZZP0C	1136247

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 669 mm
- **Functional principle detail:** 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.
RSB1-0669D140137FZ3DZZZP0C	1136421
RSB1-0669H055140FZ3CZZZP0C	1136748

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 457 mm
- **Functional principle detail:** 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]	RSB1-0457B200129FZ3HZZZP0D	1128649
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0457C100129AB4CZZZZZZ	1130794

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 600 mm
- **Functional principle detail:** 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]	RSB1-0600E100100PF4CZZZZZZ	1138858
Push-pull: PNP/NPN		RSB1-0600H069059AB4BZZZP0A	1128730
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0600H069059AZ3FZZZP0D	1137147

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 810 mm
- **Functional principle detail:** 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 M8, 4-pin, with knurled nut [1]	–	RSB1-0810H090090AZ3FZZZP0D	1136933

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 200 mm
- **Functional principle detail:** 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]	RSB1-0200B070065NE5GZZZZZZ	1129399
PNP		RSB1-0200B070065PF5GZZZZZZ	1129603
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0200B060070BA4EZZZZZZ	1126611
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0200B050075BA3DZZZZZZ	1127036

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 310 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0310B104103HK4CZZZP0A	1137446
Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0310D070050KH3EZZZZZZ	1139191
	RSB1-0310D070050KH3GZZZZZZ	1139193
Cable with connector RJ12, 6-pin [1]	RSB1-0310D070050KHAEZZZZZZ	1130975
	RSB1-0310D070050KHAGZZZZZZ	1130976

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 386 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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.
RSB1-0386C105088KK3FZZZP02	1126549
RSB1-0386C105088KK3FZZZZZZ	1126332

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 400 mm
- **Functional principle detail:** 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]	RSB1-0400C100100PF4CZZZZZZ	1138856
Push-pull: PNP/NPN		RSB1-0400C100100AB4DZZZZZZ	1128684
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0400B130135BA3DZZZZZZ	1127035

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 425 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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.
RSB1-0425B200113HK3CZZZZZZ	1134067
RSB1-0425D092075HK3CZZZZZZ	1134065

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 440 mm
- **Functional principle detail:** 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]	RSB1-0440C110110FF3BZZZZZZ	1128896
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0440C125095HKAHZZZZZZ	1130381

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 465 mm
- **Functional principle detail:** 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]	–	RSB1-0465C116117FP3EZZZZZZZ	1128210

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 474 mm
- **Functional principle detail:** 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]	–	RSB1-0474D095095PZ3CZZZZZZZ	1135337

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 486 mm
- **Functional principle detail:** 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]	RSB1-0486C130113PP4BZZZZZZZ	1126721
PNP: open collector	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0486C130113KK3FZZZP02	1126550
		RSB1-0486C130113KK3FZZZZZZZ	1126316

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 490 mm
- **Functional principle detail:** 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]	RSB1-0490H050050PF4GZZZP0B	1139564

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

Switching output	Connection type	Type	Part no.
Push-pull: PNP/NPN	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0490D070140BA3FZZZZZZ	1126033
		RSB1-0490D070140BA3GZZZZZZ	1126107
		RSB1-0490D070140BA3HZZZZZZ	1126108
		RSB1-0490D070140BA3KZZZZZZ	1126109

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 500 mm
- **Functional principle detail:** 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]	RSB1-0500C125125FP4EZZZP0B	1129554
		RSB1-0500D100100FF4EZZZP0B	1140168
		RSB1-0500D100100PF4CZZZZZZ	1138857
		RSB1-0500D100100PZ4EZZZP0B	1142376
	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0500C125125FP3CZZZZZZ	1127674
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0500D103096HKAHZZZZZZ	1130383
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0500C070180BA4BZZZZZZ	1126119
		RSB1-0500C070180BA4CZZZZZZ	1126120
		RSB1-0500C070180BA4DZZZZZZ	1126121
		RSB1-0500C070180BA4EZZZZZZ	1126122
		RSB1-0500C180070AA4CZZZP0B	1142728

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 525 mm
- **Functional principle detail:** 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]	–	RSB1-0525D125075PF3CZZZZZZ	1131306

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 560 mm
- **Functional principle detail:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Switching output	Connection type	Type	Part no.
PNP	Cable with connector RJ12, 6-pin [1]	RSB1-0560G070070FPAEZZZZZZ	1129145
Push-pull: PNP/NPN	Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0560E070140BA31ZZZZZZ	1126110

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 586 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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.
RSB1-0586C155138KK3FZZZP02	1126551
RSB1-0586C155138KK3FZZZZZZ	1126317

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 615 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0615F050183HK4CZZZP0A	1134400
Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-0615F103050KH3EZZZZZZ	1139195
	RSB1-0615F103050KH3GZZZZZZ	1139196
Cable with connector RJ12, 6-pin [1]	RSB1-0615F103050KHAEZZZZZZ	1130979
	RSB1-0615F103050KHAGZZZZZZ	1130980

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 625 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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.
RSB1-0625B200213HK3CZZZZZZ	1134066
RSB1-0625D159074HK3CZZZZZZ	1134064

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 768 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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]	RSB1-0768G111051KH3EZZZZZZ	1139197
	RSB1-0768G111051KH3GZZZZZZ	1139198
Cable with connector RJ12, 6-pin [1]	RSB1-0768G111051KHAEZZZZZZ	1130973
	RSB1-0768G111051KHAGZZZZZZ	1130974

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 786 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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.
RSB1-0786E137119KK3FZZZP01	1126548
RSB1-0786E137119KK3FZZZP02	1126552
RSB1-0786E137119KK3FZZZZZZ	1126318

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 920 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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]	RSB1-0920G128076KH3EZZZZZZ	1139199
	RSB1-0920G128076KH3GZZZZZZ	1139200
Cable with connector RJ12, 6-pin [1]	RSB1-0920G128076KHAEZZZZZZ	1130983
	RSB1-0920G128076KHAGZZZZZZ	1130984

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,000 mm
- **Functional principle detail:** 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]	–	RSB1-1000H100150PF3DZZZZZZ	1131017

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 1,073 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector
- **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]	RSB1-1073H131078KH3EZZZZZZ	1139190
	RSB1-1073H131078KH3GZZZZZZ	1139189
Cable with connector RJ12, 6-pin [1]	RSB1-1073H131078KHAEZZZZZZ	1130985
	RSB1-1073H131078KHAGZZZZZZ	1130986

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

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

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-1200G162123FZ4BS01ZZZ	1134999
	RSB1-1200G162123FZ4BZZZZZZ	1134968
	RSB1-1200H134131PP4BZZZZZZ	1126722
Cable with connector M8, 4-pin, with knurled nut [1]	RSB1-1200H134131FP3EZZZZZZ	1126613
Cable with connector RJ12, 6-pin [1]	RSB1-1200G150150PPAGS01P0E	1133503
	RSB1-1200G150150PPAGS01ZZZ	1133502
	RSB1-1200G150150PPAGZZZP0B	1133155
Cable with male connector M8, 4-pin, snap [1]	RSB1-1200H134131PF5GZZZZZZ	1129400

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 350 mm
- **Functional principle detail:** 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]	–	RSB1-0350F050050AA4DZZZP0A	1129768

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 410 mm
- **Functional principle detail:** Energetic
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M12, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Switching output	Type	Part no.
PNP: open collector	RSB1-0410B200103HK4CZZZP0A	1137447
Push-pull: PNP/NPN	RSB1-0410D082082BZ4CZZZZZZ	1126612

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 460 mm
- **Functional principle detail:** 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]	–	RSB1-0460D092092AZ4CZZZP0A	1129944

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 475 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector

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]	–	RSB1-0475C133105HK4CZZZP0A	1134399

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 550 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M12, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0550E055165FP4CZZZP0A	1129423
RSB1-0550F072095PZ4DZZZZZZ	1139365

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 762 mm
- **Functional principle detail:** 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]	RSB1-0762E127127PF4BZZZP0D	1132029
	Cable with connector RJ12, 6-pin [1]	RSB1-0762D152153PZAGS01P0E	1133499
		RSB1-0762D152153PZAGS01ZZZ	1133498
	Cable with male connector M8, 4-pin, snap [1]	RSB1-0762F109109FZ5EZZZP0B	1129104
		RSB1-0762G095096FP5EZZZZZZ	1126614
Push-pull: PNP/NPN	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0762C150231AZ4GZZZP0A	1129052

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 860 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector

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]	–	RSB1-0860D143215HK4CZZZP0A	1137449

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 295 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector

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]	–	RSB1-0295C050082HZ4BZZZP0B	1138699

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 300 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M12, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0300B100100FF4EZZZP0B	1140169
RSB1-0300B100100PZ4EZZZP0B	1142375

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 636 mm
- **Functional principle detail:** 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]	–	RSB1-0636C159159PZ4DZZZP0B	1129840

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 710 mm
- **Functional principle detail:** 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]	–	RSB1-0710H085050AB4DZZZP0B	1137056

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 320 mm
- **Functional principle detail:** 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]	–	RSB1-0320C080080AB4CZZZP0D	1133368

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 650 mm
- **Functional principle detail:** 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]	–	RSB1-0650E050050BA4BZZZP0D	1141999

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 685 mm
- **Functional principle detail:** 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]	–	RSB1-0685D137137FZ4BZZZP0D	1131720

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 345 mm
- **Functional principle detail:** 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]	–	RSB1-0345D069069FP4DZZZZZZ	1128591

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 409 mm
- **Functional principle detail:** 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]	–	RSB1-0409B137137PZ4DZZZZZZ	1142529

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 411 mm
- **Functional principle detail:** 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]	–	RSB1-0411B137137PZ4DZZZZZZZ	1139364

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 450 mm
- **Functional principle detail:** 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]	RSB1-0450H050050NE5GZZZZZZZ	1129398
PNP	Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0450H050050FP4BZZZZZZZ	1128626
	Cable with male connector M8, 4-pin, snap [1]	RSB1-0450H050050PF5GZZZZZZZ	1129602
PNP: open collector	Cable with connector RJ12, 6-pin [1]	RSB1-0450D087095HKAHZZZZZZZ	1130382

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 570 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M12, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0570D070180BA4FZZZZZZZ	1126123
RSB1-0570D070180BA4GZZZZZZZ	1126124
RSB1-0570D070180BA4HZZZZZZZ	1126181

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 609 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector M12, 4-pin, with knurled nut [1]	RSB1-0609B137237PZ4DZZZZZZ	1142528
Cable with connector RJ12, 6-pin [1]	RSB1-0609C152153PNAGS01P0E	1133505
	RSB1-0609C152153PNAGS01ZZZ	1133504

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 611 mm
- **Functional principle detail:** 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]	–	RSB1-0611B137237PZ4DZZZZZZ	1139366

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 640 mm
- **Functional principle detail:** Energetic
- **Switching output:** push-pull: PNP/NPN
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with connector M12, 4-pin, with knurled nut (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0640E070180BA41ZZZZZZ	1126183
RSB1-0640E070180BA4KZZZZZZ	1126182

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 842 mm
- **Functional principle detail:** 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]	–	RSB1-0842H095095AB4DZZZZZZ	1142557

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

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 850 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP: open collector

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]	–	RSB1-0850H106058HK4CZZZZZZ	1142078

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 610 mm
- **Functional principle detail:** 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]	–	RSB1-0610E102101FZ5EZZZP0B	1129103

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 914 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Setting Method:** –

Connection type	Type	Part no.
Cable with connector RJ12, 6-pin [1]	RSB1-0914E152153PNAGS01P0E	1133507
	RSB1-0914E152153PNAGS01ZZZ	1133506
Cable with male connector M8, 4-pin, snap [1]	RSB1-0914H102100FZ5EZZZP0B	1129105

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 458 mm
- **Functional principle detail:** 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]	–	RSB1-0458C115114BA5DZZZZZZ	1126184

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 520 mm
- **Functional principle detail:** 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
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 864 mm
- **Functional principle detail:** 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 RJ12, 6-pin [1]	–	RSB1-0864H096096ABADZZZP0A	1142530

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 614 mm
- **Functional principle detail:** 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
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 725 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **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.
RSB1-0725D145145PNAGS01P0E	1133501
RSB1-0725D145145PNAGS01ZZZ	1133500
RSB1-0725D145145PNAGZZZZZZ	1133481

Roller Sensor Bar

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 863 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with WA-GO terminal 733-104, 4-pin [1]	–	RSB1-0863G108108FZDGZZZP0B	1141706

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 856 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP
- **Light source:** LED
- **Type of light:** Infrared light
- **Connection type:** Cable with MOLEX-connector 43025-0400, 4-pin (Due to the manufacturing process, the cable can be a little longer.)
- **Setting Method:** –

Type	Part no.
RSB1-0856F096220PZ0BS02ZZZ	1136775
RSB1-0856F096220PZEBZZZZZZ	1136773
RSB1-0856G118086PZ0BS02ZZZ	1136774
RSB1-0856G118086PZEBZZZZZZ	1136164
RSB1-0856G120086PZ0BS02ZZZ	1133437

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 859 mm
- **Functional principle detail:** 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]	–	RSB1-0859H100080PZEFZZZZZZ	1130312

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

- **Sensing range min. / max.:** 2 mm / 300 mm
- **Functional principle:** Photoelectric proximity sensor
- **Length of Sensor Bar:** 556 mm
- **Functional principle detail:** Energetic
- **Switching output:** PNP

Light source	Type of light	Connection type	Setting Method	Type	Part no.
LED	Infrared light	Cable with MOLEX-connec-	–	RSB1-0556E100078PZ0BS02ZZZ	1133436

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

Light source	Type of light	Connection type	Setting Method	Type	Part no.
		tor 43025-0400, 4-pin [1]			

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

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com