

Wide range of uses, available in different housings

MULTIFUNCTIONAL LASER LIGHT BANDS

When different objects have to be identified in various production, packaging or in quality control conditions, our multi-function BLA series laser light bands are ideal. These IO-Link through-beam sensors offer numerous measuring modes such as object diameter, object position, gap width, gap position and edge position. And the various light band sizes allow you to perform nominal-actual comparisons even with narrow objects like wires or wider objects such as shafts. You can simultaneously use the built-in operating hours counter to accurately monitor processes and display maintenance intervals.

IO-Link ensures centralized data management and storage and with it, simple and fast configuration. That allows you to easily change formats during the production process. And with IO-Link, processed analog signals can also be transmitted reliably and accurately.

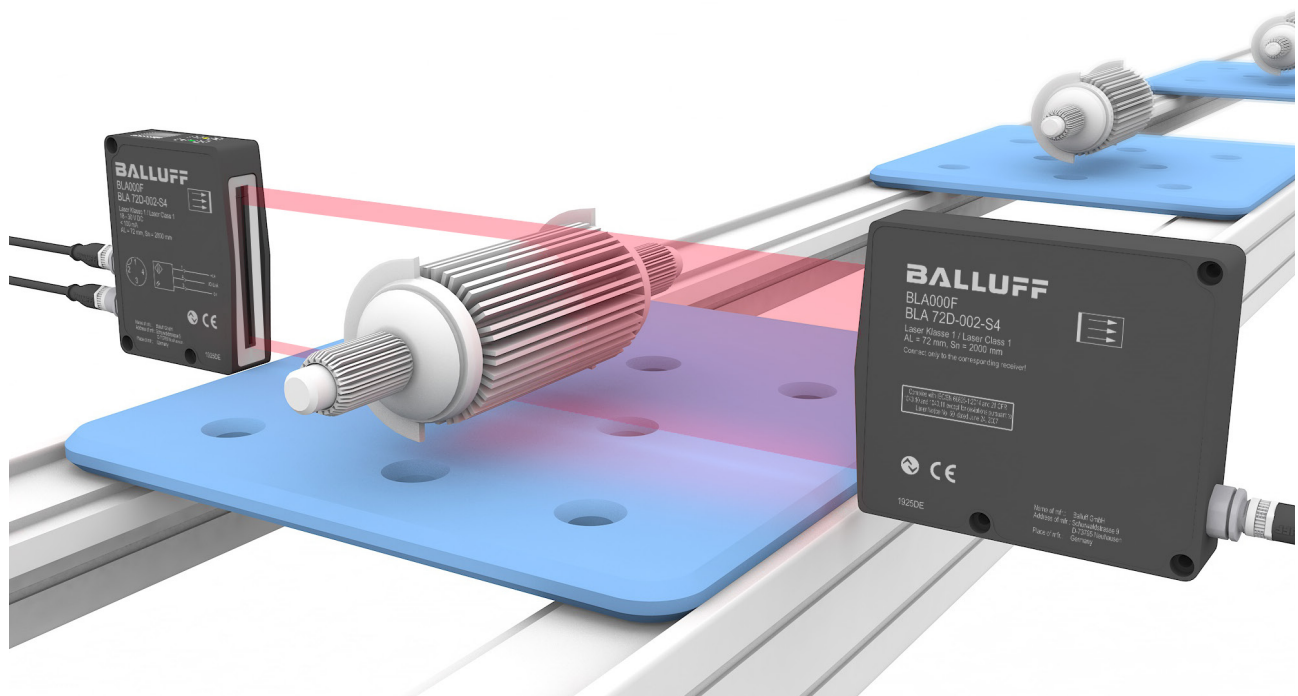
You can use these laser light bands for tasks such as precise position detection, object classification or simple part sorting by size or diameter. Variables like object height, gap dimensions or holes can be monitored for quality assurance. Precise detection of web edges is also possible, even with semi-transparent materials. And with a large selection of housing sizes, you can mount them in applications with particularly tight spaces and in hard to reach sensing positions.

Features

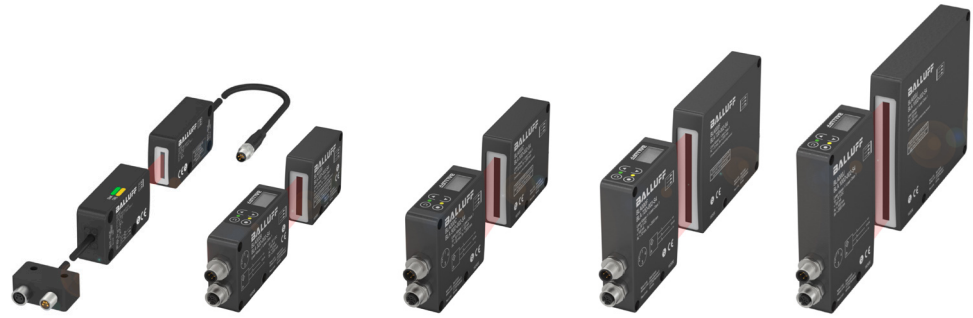
- Highly exact position detection
- Differentiate diameters simply
- Gap dimension quality inspections
- Precise edge detection
- Simple configuration and parameter setting with IO-Link
- Various housings for a wide range of uses



CE EAC IO-Link



LIGHT BANDS



ANALOG		BLA0008	BLA000A	BLA000E	BLA000H
IO-LINK 1.1		BLA0007	BLA0009	BLA000C	BLA000F
Dimensions transmitter		68.3 × 38 × 20 mm	95 × 26 × 65 mm	108 × 82 × 26 mm	146 × 110 × 26 mm
Dimensions receiver		68.3 × 38 × 20 mm	121 × 26 × 65 mm	108 × 82 × 26 mm	102 × 110 × 26 mm
Light band width		16 mm	32 mm	50 mm	72 mm
Beam characteristic		Collimated light strip	Collimated light strip	Collimated light strip	Collimated light strip
Special optical feature		CCD technology	CCD technology	CCD technology	CCD technology
Light type		Laser red light	Laser red light	Laser red light	Laser red light
Range		0...2 m	0...2 m	0...2 m	0...2 m
Analog version	Connection 1		M12 male, 4-pin	M12 male, 4-pin	M12 male, 4-pin
	Connection 2		M12 female, 4-pin	M12 female, 4-pin	M12 female, 4-pin
	Connection 3		M12 male, 8-pin	M12 male, 8-pin	M12 male, 8-pin
IO-Link version	Connection 1	M8 male, 4-pin, with 250 mm PUR cable	M12 male, 4-pin	M12 male, 4-pin	M12 male, 4-pin
	Connection 2	M8 female, 4-pin	M12 female, 4-pin	M12 female, 4-pin	M12 female, 4-pin
	Connection 3	M8 male, 4-pin	M12 male, 4-pin	M12 male, 4-pin	M12-Stecker, 4-pin
Housing material		Anodized aluminum	Anodized aluminum	Anodized aluminum	Anodized aluminum
IP rating		IP67	IP54	IP54	IP54
Ambient temperature		+5...+55 °C	+5...+55 °C	+5...+55 °C	+5...+55 °C
Operating voltage Analog			15...30 V DC	15...30 V DC	15...30 V DC
Operating voltage IO-Link		18...30 V DC	18...30 V DC	18...30 V DC	18...30 V DC
Resolution absolute		≤ 0.01 mm	≤ 0.01 mm	≤ 0.01 mm	≤ 0.01 mm
Approval/conformity		CE, EAC	CE, EAC	CE, EAC	CE, EAC

CONNECTIVITY



	BCC09FU
Connection 1	M12 female, straight, 5-pin, A-coded
Connection 2	M12 male, straight, 5-pin, A-coded
Cable	PUR black, 5 m, drag chain compatible