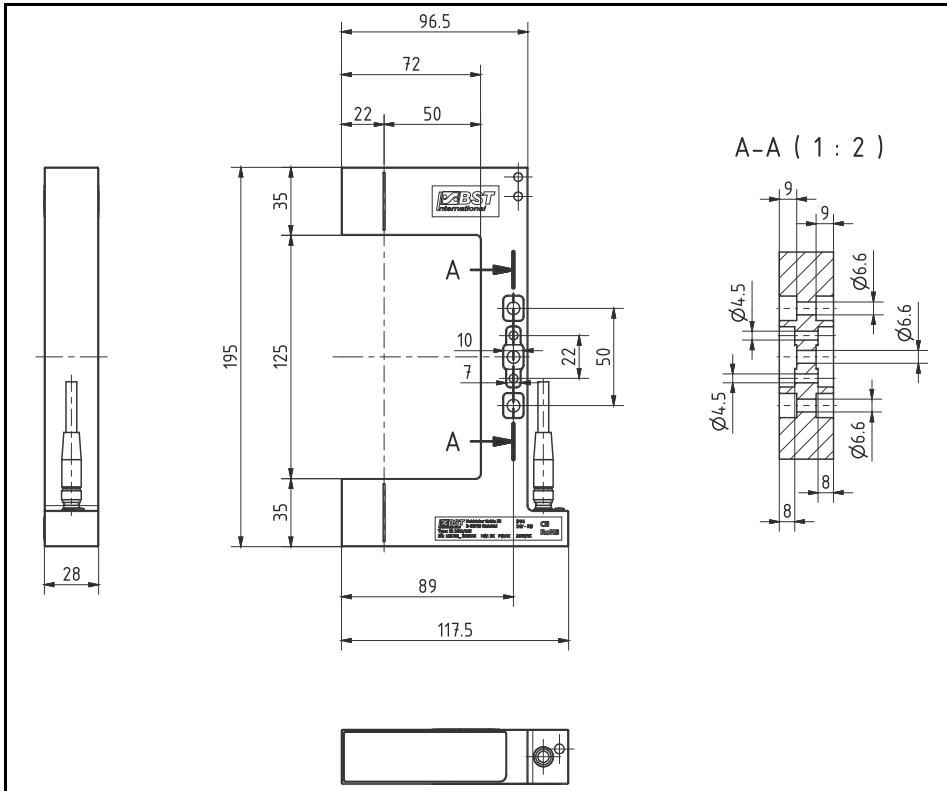


// Product Sheet IR 2012

Dimensional Drawing



Spatial Illustration



Intended Use

The IR 2012 is an optoelectronic edge sensor. It is solely used in conjunction with BST eltromat controllers for contact-free optical scanning of edges.

Note: For commissioning and operation, please refer to the separate documentation.

Working Principle and Characteristics

- Optoelectronic edge sensor
- Designed to be used with BST eltromat controllers preferably for scanning web edges
- Selectable operating modes: Analog (output signal 0-10 V); Digital (via integrated CAN-Bus)
- Operation display: LED (2 colors)

General Data

Sensor	IR 2012
Measuring Range	12 mm (± 6 mm)
Fork Width	125 mm
Wave Length	950 nm

Electrical Data

Supply Voltage	12 ... 30 VDC
Output Signal (Analog Mode)	0 ... 10 V
Output Signal (Digital Mode)	BST eltromat CAN Bus
Polarity Reversal Protection (Supply)	Yes
Short Circuit Protection (Analog Output)	Yes
Electrical Connection	M8 plug, 4-pin

Mechanical Data

Weight	< 500 g
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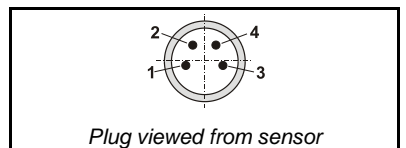
Operating Conditions

Ambient Temperature	In Operation	0 ... +60 °C
	In Storage	-10 ... +70 °C
Protection Class		IP 54
Noise Emission		< 70 dB
RoHS		Yes

Mounting

The sensor can be mounted with an optional sensor mount available at BST eltromat.

Electrical Connection



Plug viewed from sensor

Pin	Analog Mode	Digital Mode
1	+12 ... 30 VDC	+12 ... 30 VDC
2	Analog signal 0 ... 10 V	CAN-H
3	0 V	0 V
4	0 V	CAN-L

Order Data

Sensor	Part No.
IR 2012/125	224478

Connecting Cable	Part No.
Analog: 3 m	133456
Analog: 5 m	133457
Analog: 10 m	128967
Digital: 2 m	131993
Digital: 5 m	131994
Digital: 10 m	131995