TLB Series

TLB-CON1/2 Constant light amplifier

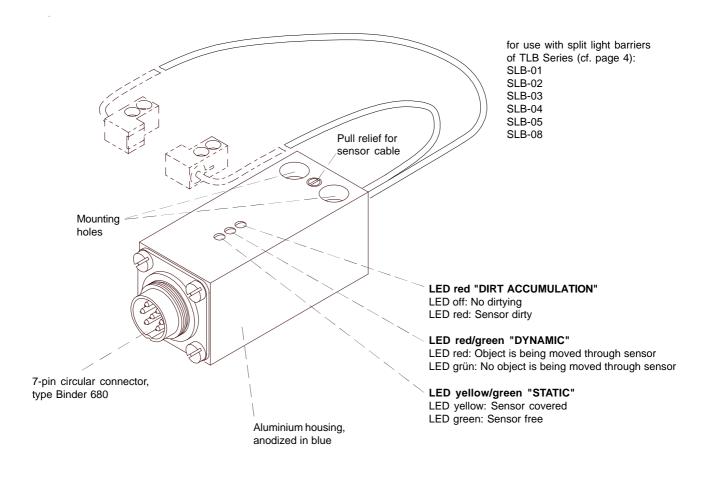
- Sensitivity and gain adjustable by means of two potentiometers (inside the housing)
- Switching state indiciation by means of a yellow/green LED
- Dynamic and static output, analog output
- Threshold correction can be activated
- High switching frequency (typ. 25 kHz)
- Dirt accumulation indication by means of a red LED
- Bright- and dark-switching
- Push-pull output stage (appropriate for npn and pnp)





Product name:

TLB-CON1/2

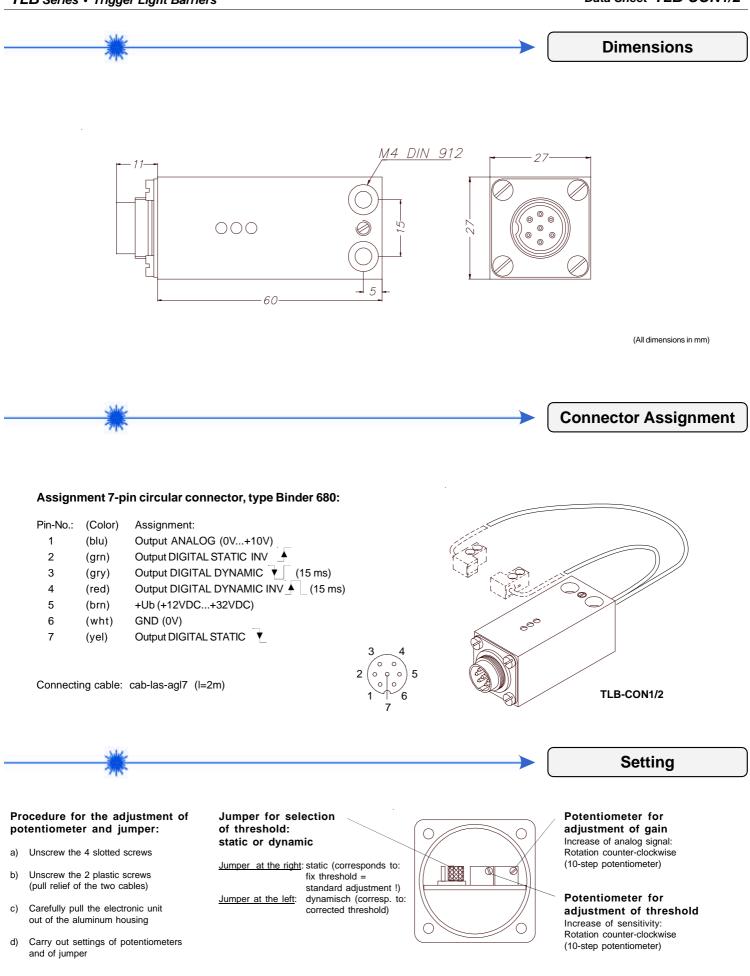


Sensor 💥

Technical Data

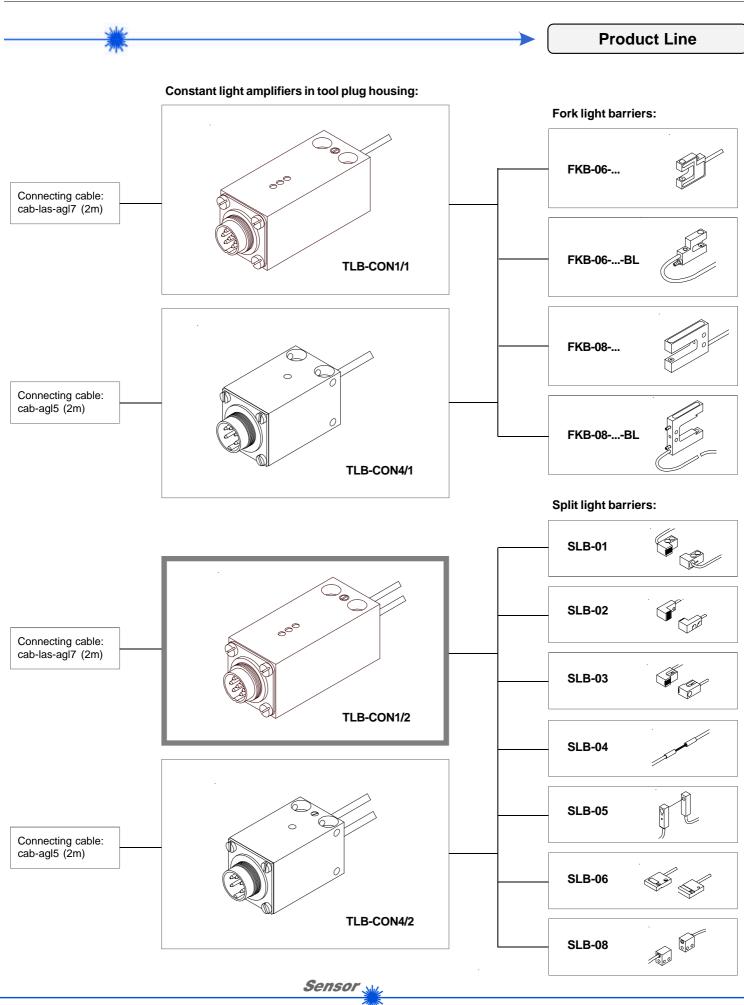
Model	TLB-CON1/2
Voltage supply	+12VDC +32VDC ripple 10% max.
Current consumption	with sensor: typ. 80 mA
Operating temperature range	-20°C +60°C
Storage temperature range	-20°C +85°C
Housing	Aluminum, anodized in blue; dimensions approx. 60 mm x 27 mm x 27 mm
Mechanical protection	IP 64
Threshold correction	adjustable by means of integrated jumper
Output ANALOG	0V +10V
Output DIGITAL STATIC	2x static: Q: npn dark-switching (npn normally open) / pnp bright-switching (pnp normallly closed) Qinv: npn bright-switching (npn normally closed) / pnp dark-switching (pnp normally open)
Output DIGITAL DYNAMIC	2x dynamic (pulse length 15 ms) Q: npn dark-switching (npn normally open) / pnp bright-switching (pnp normallly closed) Qinv: npn bright-switching (npn normally closed) / pnp dark-switching (pnp normally open)
Potentiometer for gain	10-step potentiometer (integrated in the housing)
Potentiometer for trigger threshold	10-step potentiometer (integrated in the housing)
Dirt accumulation indication	by means of a red LED
Switcing state indication STATIC	yellow/green LED (yellow= sensor covered, green = sensor free)
Switching state indication DYNAMIC	red/green LED (red = object is moved through sensor, green = no object is moved through sensor)
Connector type	Connection to PLC: 7-pin flange connector, type Binder 680 Connection to sensor by means of sensor cable
Connecting cable	cab-las-agl7 (l=2m)
Switching frequency	typ. 25 kHz
Max. switching current	200 mA, short circuit protection
Band width analog signal	50 kHz (-3dB)
EMC test acc. to	IEC - 801 C €

Sensor .



Sensor Instruments GmbH • D-94169 Thurmansbang • Schlinding 11 Tel. +49 (0)8544 9719-0 • Fax +49 (0)8544 9719-13 Instruments

Sensor



Instruments

Sensor Instruments GmbH • D-94169 Thurmansbang • Schlinding 11 Tel. +49 (0)8544 9719-0 • Fax +49 (0)8544 9719-13

TLB Series • Trigger Light Barriers

Data Sheet TLB-CON1/2