TLB Series TLB-CON1/1 Constant light amplifier - Sensitivity and gain adjustable by means of TLB-CONT 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) Design Product name: TLB-CON1/1 for use with fork light barriers of TLB Series (cf. page 4): FKB-06-... FKB-06-...-BL **FKB-08** FKB-08-...-BL Pull relief for sensor cable Mounting holes LED red "DIRT ACCUMULATION" LED off: no dirtying LED red: Sensor dirty LED red/green "DYNAMIC" LED red: Object is being moved through sensor LED green: No object is being moved through sensor 7-pin circular connector, LED yellow/green "STATIC" type Binder 680 LED yellow: Sensor covered LED green: Sensor free

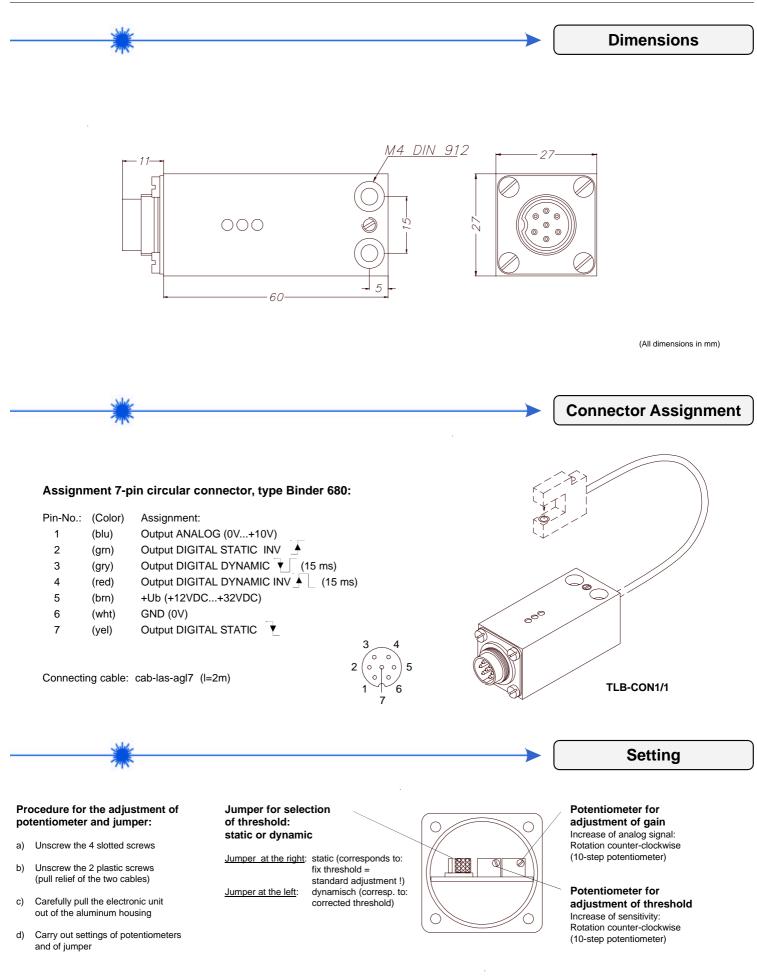
Aluminum housing, anodized in blue

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Technical Data

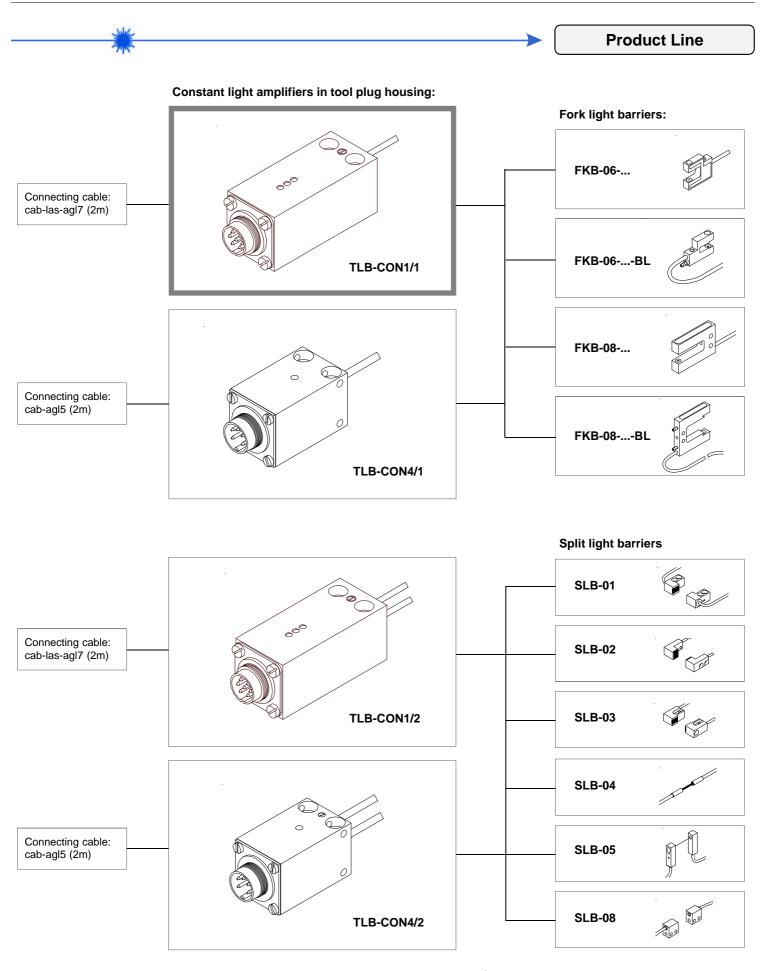
Model	TLB-CON1/1
Voltage supply	+12VDC +32VDC ripple 10% max.
Current consumption	with sensor: typ. 80 mA
Operating temperature range	-20°C +60°C
Storage temperature range	-20°C +85°C
Housing	Aluminum, anodized in blue; dimensions approx. 60 mm x 27 mm x 27 mm
Mechanical protection	IP 64
Threshold correction	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 plug, 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 CE

Sensor 💊



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