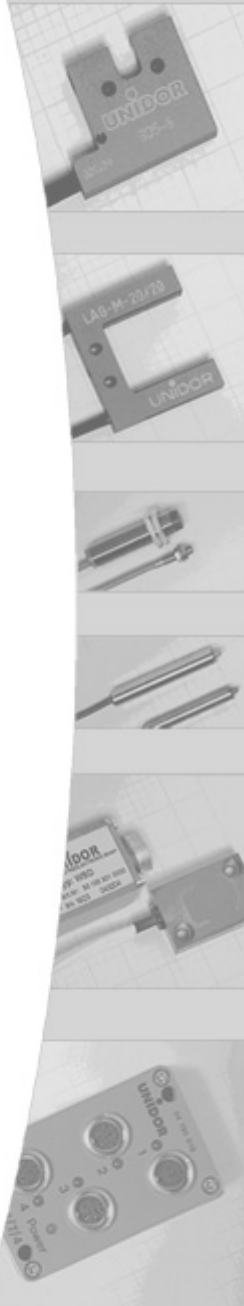
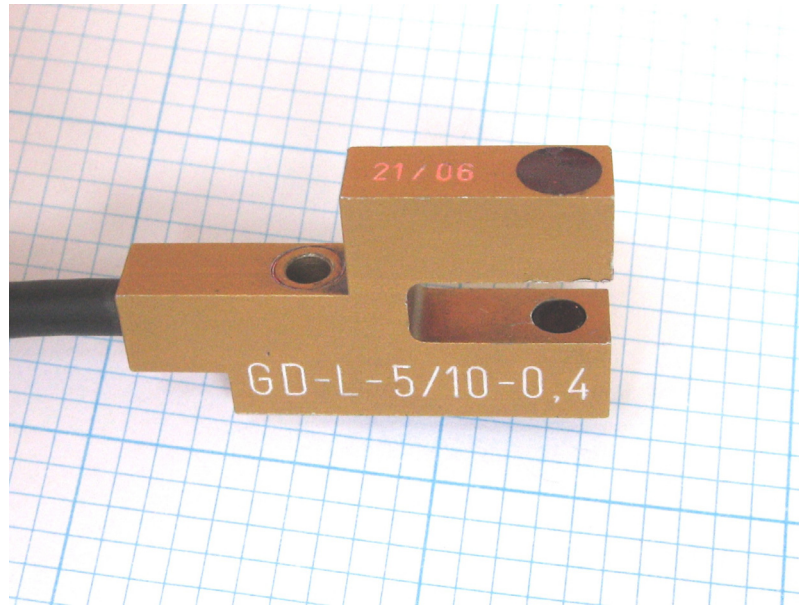


Laser Fork Light Sensor GD-L Series



Application

The laser fork light GD-L x/x/F-Series with their sturdy metall housing and the high enclosure rating are designed for sophisticated applications in mechanical engineering. Available in different sizes and apertures. The amplifier electronic is integrated.

Features

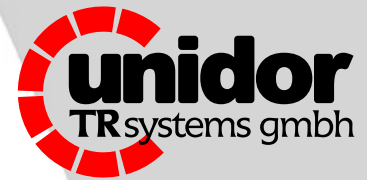
- small type
- integrated amplifier
- laser class 1 (850nm)
- switching frequency (25 kHz)
- various types of housing
- sturdy aluminium housing
- switching state indicator (LED)
- oil-resistant cable
- scratch-resistant optic

Warning-notice

The Laser-beam of the GD-L Series according to laserclass 1 EN 60825.



Laser Fork Light Sensor GD-L Series

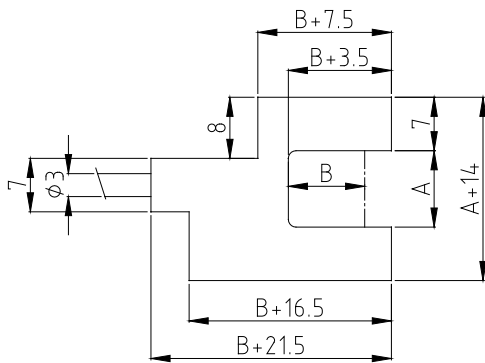


SENSORS

Technical Data

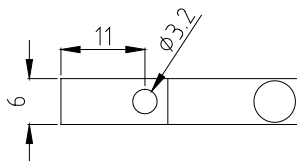
Voltage supply:	+12VDC... +30VDC
Current consumption:	typ. 20mA
Transmitter:	Laser-type: 850nm
Reproducibility:	typ. 0,01mm (depends on the object meas.)
Optical filter:	IR-filter
Switching frequency:	25 kHz
Available apertures:	circular (0,4 0,6 0,8 1,0 1,2)
Switching output:	PNP / NPN 100mA, short-circuit proof
Operating temperature:	-20 °C... +50 °C
Housing: / enclosure rating:	Aluminium, anodized in gold / IP 67

Dimensions



Fork-size	A	B	Apert.
5/10	5 mm	10 mm	0,4*
10/10	10 mm	10 mm	0,4*
10/15	10 mm	15 mm	0,4*
10/20	10 mm	20 mm	0,4*
10/30	10 mm	30 mm	0,4*
15/10	15 mm	10 mm	0,6*
20/10	20 mm	10 mm	0,6*
20/30	20 mm	30 mm	0,6*

* other apertures s. technical data



Colour: Assignment:

brown	+Ub (+12VDC ... +30VDC)
white	NPN (Low-Signal at free light-beam)
blue	GND (0V)
black	PNP (High-Signal at free light-beam)
shield	Housing

Order data

Order-No	Short term	Article description
51019600	GD-L 5/10 X/0,4/F	Fork light sensor 5x10 w/o plug cable-length =2m
51019601	GD-L 10/10 X/0,4/F	Fork light sensor 10x10 w/o plug cable-length =2m
51019602	GD-L 10/15 X/0,4/F	Fork light sensor 10x15 w/o plug cable-length =2m
51019603	GD-L 10/20 X/0,4/F	Fork light sensor 10x20 w/o plug cable-length =2m
51019604	GD-L 10/30 X/0,4/F	Fork light sensor 10x30 w/o plug cable-length =2m
51019605	GD-L 15/10 X/0,6/F	Fork light sensor 15x10 w/o plug cable-length =2
51019606	GD-L 20/10 X/0,6/F	Fork light sensor 20x10 w/o plug cable-length =2m
51019607	GD-L 20/30 X/0,6/F	Fork light sensor 20x30 w/o plug cable-length =2m

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