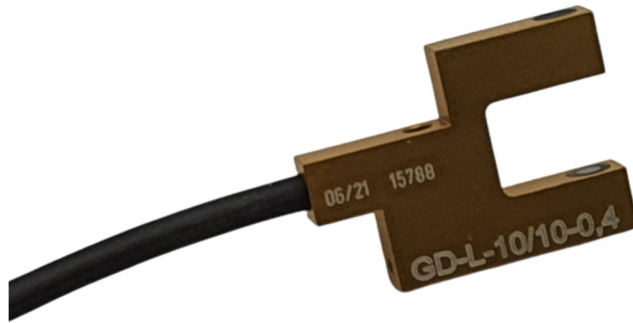


laser fork light barrier

type: GD-L



picture alike

GD-L

5101 9xxx

Apr-21

- _ small type
- _ integrated amplifier
- _ laser class 1
- _ various types of housing
- _ robust aluminium housing
- _ switching state indicator
- _ oil-resistant cable
- _ scratch-resistant optic

application range

position detection, feed rate detection quick process counting

technical data

feature	
voltage supply	15 .. 32 V DC
max. current	app. 20 mA
transmitter	laser 850nm
receiver	photo transistor
housing	alu, gold anodised
outputs	2x digital NPN/PNP*
output current	100 mA
reproducibility	0.01mm depends on type
min. recognizable object	0.3 mm
apertures	0.4/0.6 mm depends on type
switching frequency	25 kHz
switching state indicator	LED yellow

subject to change

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 75179 Pforzheim
 Tel. +49 (0) 7231 3152-0
 unidor@trsystems.de
www.unidor.de

laser fork light barrier

type: GD-L

GD-L

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ambient conditions

operating temperature range	-20 .. +50°C
enclosure rating	IP 67
ambient light level	5000 Lux

* at free light beam white: low Signal, black: high Signal

order data / types

type	description	order number
GD-L 5/10 X/0.4/F	without plug, cable length 2m	5101 9600
GD-L 10/10 X/0.4/F	without plug, cable length 2m	5101 9601
GD-L 10/15 X/0.4/F	without plug, cable length 2m	5101 9602
GD-L 10/20 X/0.4/F	without plug, cable length 2m	5101 9603
GD-L 10/30 X/0.4/F	without plug, cable length 2m	5101 9604
GD-L 15/10 X/0.6/F	without plug, cable length 2m	5101 9605
GD-L 20/10 X/0.6/F	without plug, cable length 2m	5101 9606
GD-L 20/30 X/0.6/F	without plug, cable length 2m	5101 9607

accessories partially for own manufacture

type	description	order number
ZT 205	plug M16 7-pin	6330 0040 0000
M12 plug	4-pin	6200 0627
M8 plug	3-pin	620001569
ZT 323	connection block M16 7-pin	6440 1001 0000
ZT 323/2	connection block M16 5-pin 180°	6440 1003 0000
ZT 323/1	connection block M16 5-pin 270°	6440 1002 0000
ZT-M12	connection block M12 4-pin	5101 9631

subject to change

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laser fork light barrier

type: GD-L

GD-L

5101 9xxx

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dimensions

type	measure A	measure B	aperture
GD-L 5/10	5 mm	10 mm	0.4
GD-L 10/10	10 mm	10 mm	0.4
GD-L 10/15	10 mm	15 mm	0.4
GD-L 10/20	10 mm	20 mm	0.4
GD-L 10/30	10 mm	30 mm	0.4
GD-L 15/10	15 mm	10 mm	0.6
GD-L 20/10	20 mm	10 mm	0.6
GD-L 20/30	20 mm	30 mm	0.6

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laser fork light barrier

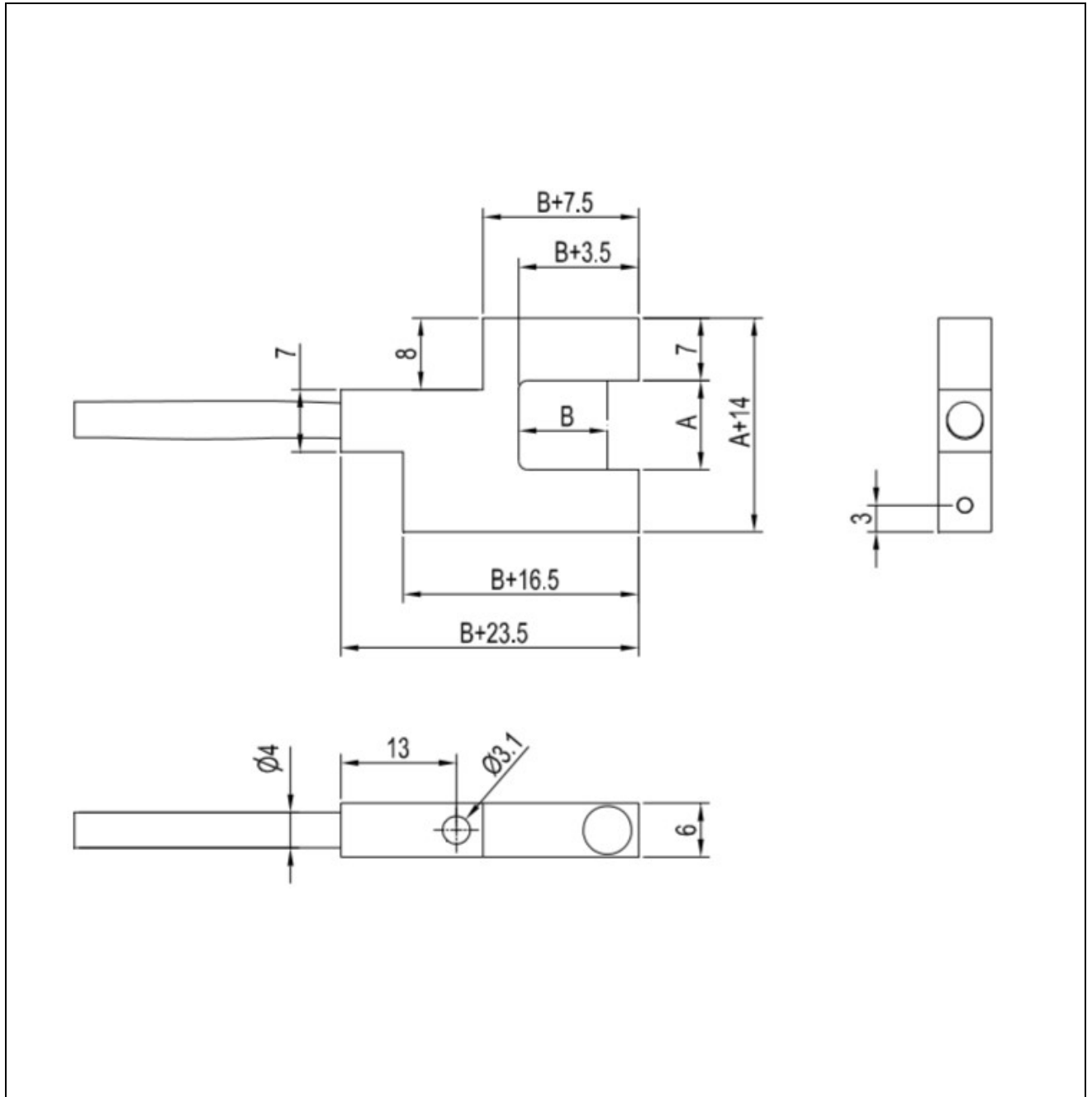
type: GD-L

dimensions

GD-L

5101 9xxx

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subject to change

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laser fork light barrier

type: GD-L

GD-L

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pin assignment

M16, 7pin (6330 4040 0000)

colour	Pin	operation
-	1	n.c.
-	2	jumper to 3
-	3	jumper to 2
white or black	4	signal
blue	5	GND 0V
brown	6	UB
-	7	n.c.

M12, 4pin (6200 0627)

colour	Pin	operation
brown	1	UB
-	2	n.c.
blue	3	GND 0V
white or black	4	signal

M8, 3pin (6200 01569)

colour	Pin	operation
brown	1	UB
white or black	4	signal
blue	3	GND 0V

subject to change

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