

# fork light barrier

type: GD 5x10F, 10x10F



picture alike

**GD GD 5x10F, 10x10F**

5101 9xxx

Apr-21

- \_ small type
- \_ integrated amplifier
- \_ insensitive to external effect of light
- \_ 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	12 .. 30 V DC
max. current	app. 30 mA
transmitter	IR-LED 905nm
receiver	photo transistor
housing	alu, gold anodised
outputs	2x digital NPN/PNP*
output current	200 mA
reproducibility	0.05mm
min. recognizable object	0,3 mm
aperture	0.8 mm
switching frequency	1 kHz
switching state indicator	LED gelb yellow

### subject to change

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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 5x10 0.8/F	without plug, cable length 2m	5101 9318
GD 10x10 0.8/F	without plug, cable length 2m	5101 9586
GD 5x10 0.8/F	with 7pin plug, cable length 2m	5003 0208 0020
GD 10x10 0.8/F	with 7pin plug, cable length 2m	5003 0209 0020

## accessories partially for own manufacture

type	description	order number
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

## dimensions

type	measure A	measure B
GD 5x10 0.8/F	5 mm	10 mm
GD 10x10 0.8/F	10 mm	10 mm

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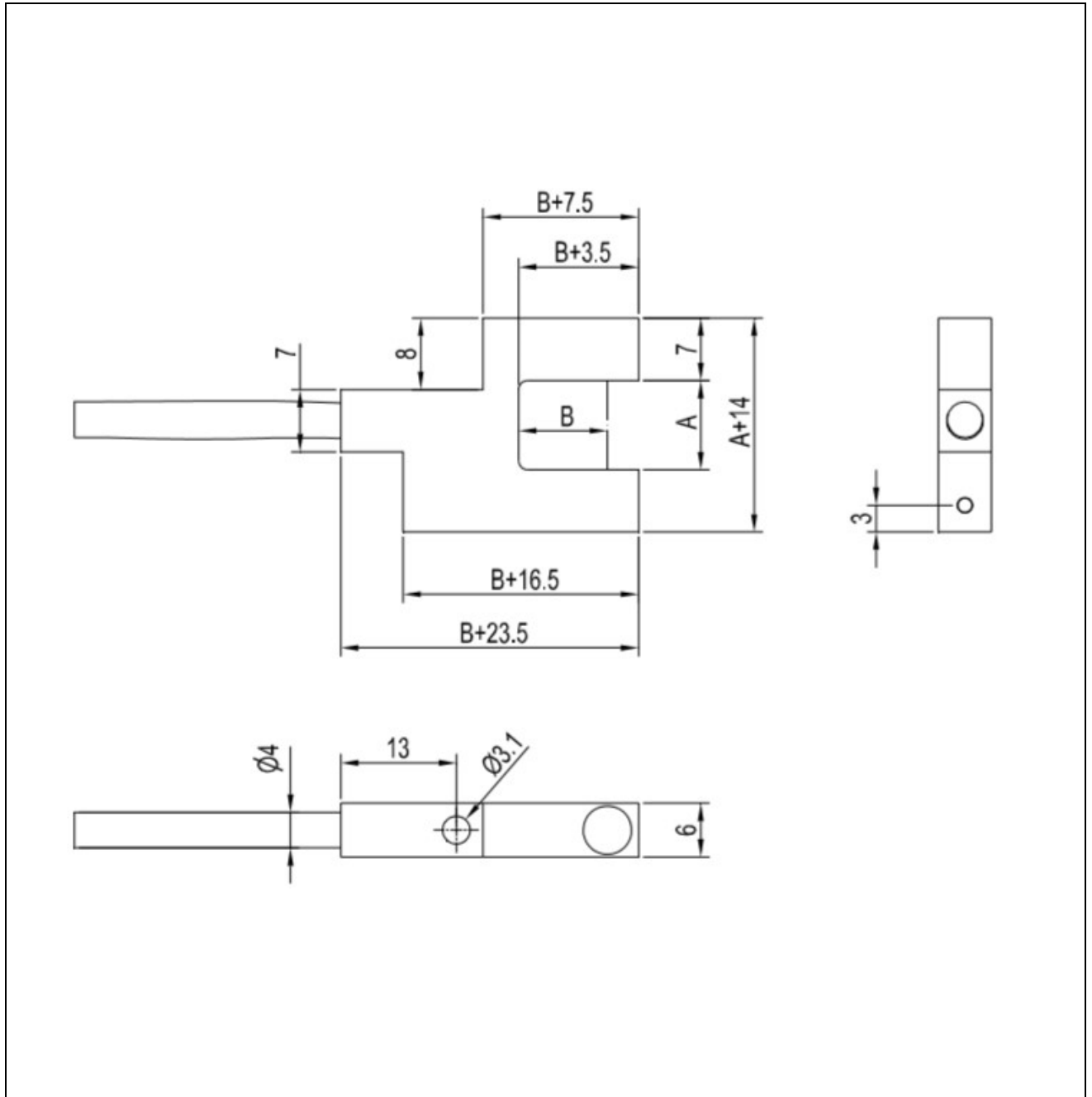
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## pin assignment

### M16, 7pol (5003 020x 0020)

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

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