

fork light barrier

type: GD 5x10S 10x10S



picture alike

GD 5x10S 10x10S

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 yellow

subject to change

TRsystems GmbH, system area
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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/S	fork light barrier plugable	5101 9320
GD 10x10 0.8/S	fork light barrier plugable	5101 9321
connecting cable	4pin M8, 2m, open end	5101 9252
connecting cable	CCB-GD (5x10/10x10) LS WZS 4B/7S PNP, 2m	5003 0205 0000
M12 plug	4-pin own manufacture	6200 0627
M8 plug	3-pin own manufacture	6200 01569

dimensions

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

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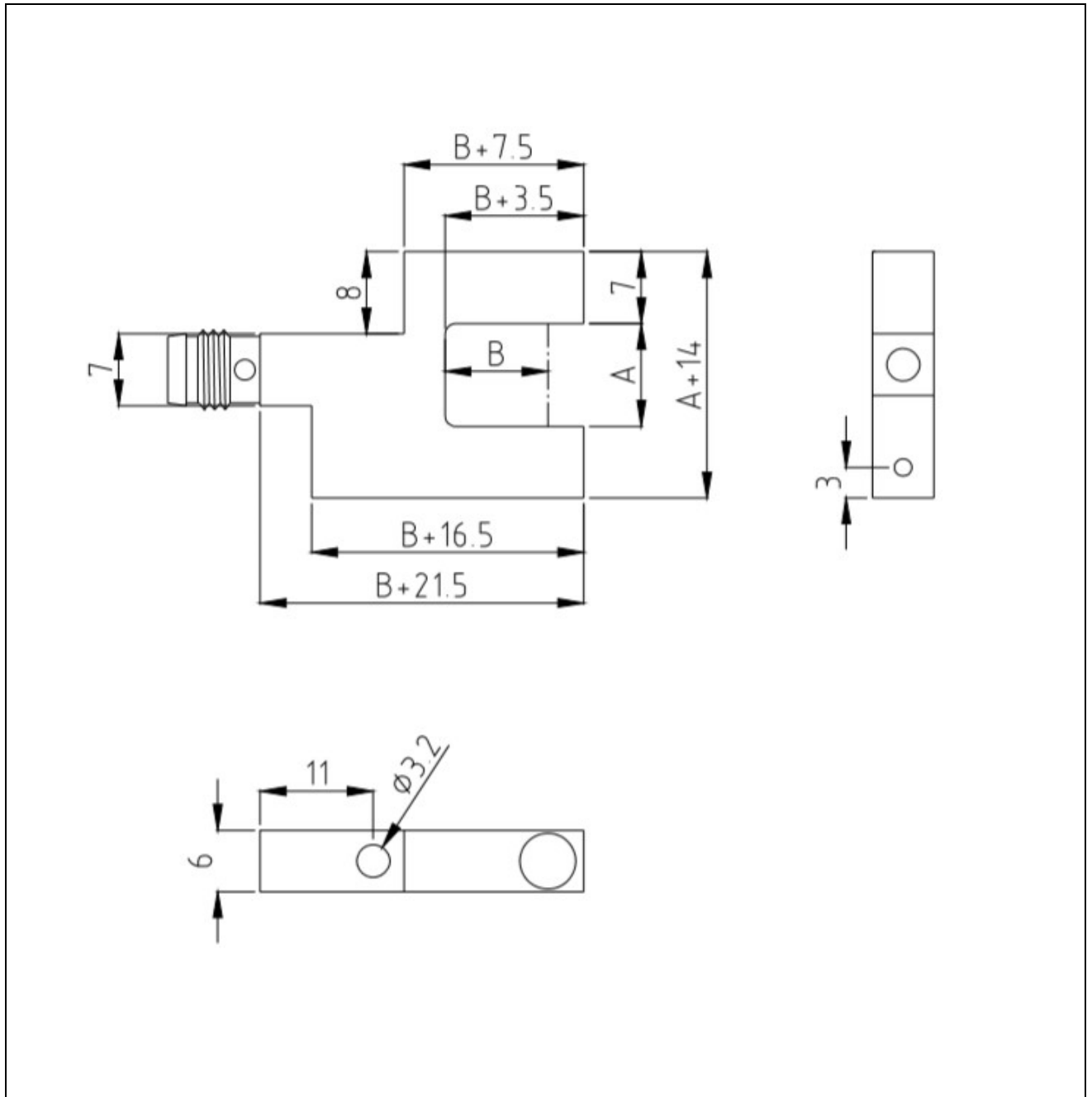
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pin assignment

M16, 7pin (5003 0205 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

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