

laser fork light barrier

type: GD-L08S



picture alike

GD-L08S

5101 96xx

Jan-24

- _ 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	12 .. 30 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	0.05mm
min. recognizable object	0.3 mm
apertures	0.8 mm
switching frequency	25 kHz
switching state indicator	LED gelb

subject to change

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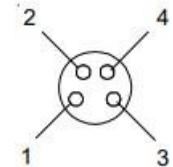
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ambient conditions

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

* PIN1 +Ub; PIN2 NPN low (at free light beam); PIN3 GND; PIN4 PNP high (at free light beam)



order data / types

type	description	order number
GD-L-08 10/15 (X/0.8/S4)	fork light barrier plugable	5101 9680
GD-L-08 20/30 (X/0.6/S4)	fork light barrier plugable	5101 9626
GD-L-08 25/50 (X/0.8/S4)	fork light barrier plugable	5101 9661
GD-L-08 25/80 (X/0.8/S4)	fork light barrier plugable	5101 9683
connecting cable	4pin M8, 2m, open end	5101 9252
M16 plug	7-pin own manufacture	6410 4041 xxx
M12 plug	4-pin own manufacture	6200 0627
M8 plug	3-pin own manufacture	6200 01569

dimensions

type	measure A	measure B	aperture
GD-L-08 10/15	5 mm	10 mm	0.8
GD-L-08 10/25	10 mm	10 mm	0.8
GD-L-08 10/30	10 mm	30 mm	0.8
GD-L-08 20/15	20 mm	15 mm	0.8
GD-L-08 20/30	20 mm	30 mm	0.6
GD-L-08 25/50	25 mm	50 mm	0.8
GD-L-08 25/80	25 mm	80 mm	0.8
GD-L-08 30/15	30 mm	15 mm	0.8
GD-L-08 30/30	30 mm	30 mm	0.8

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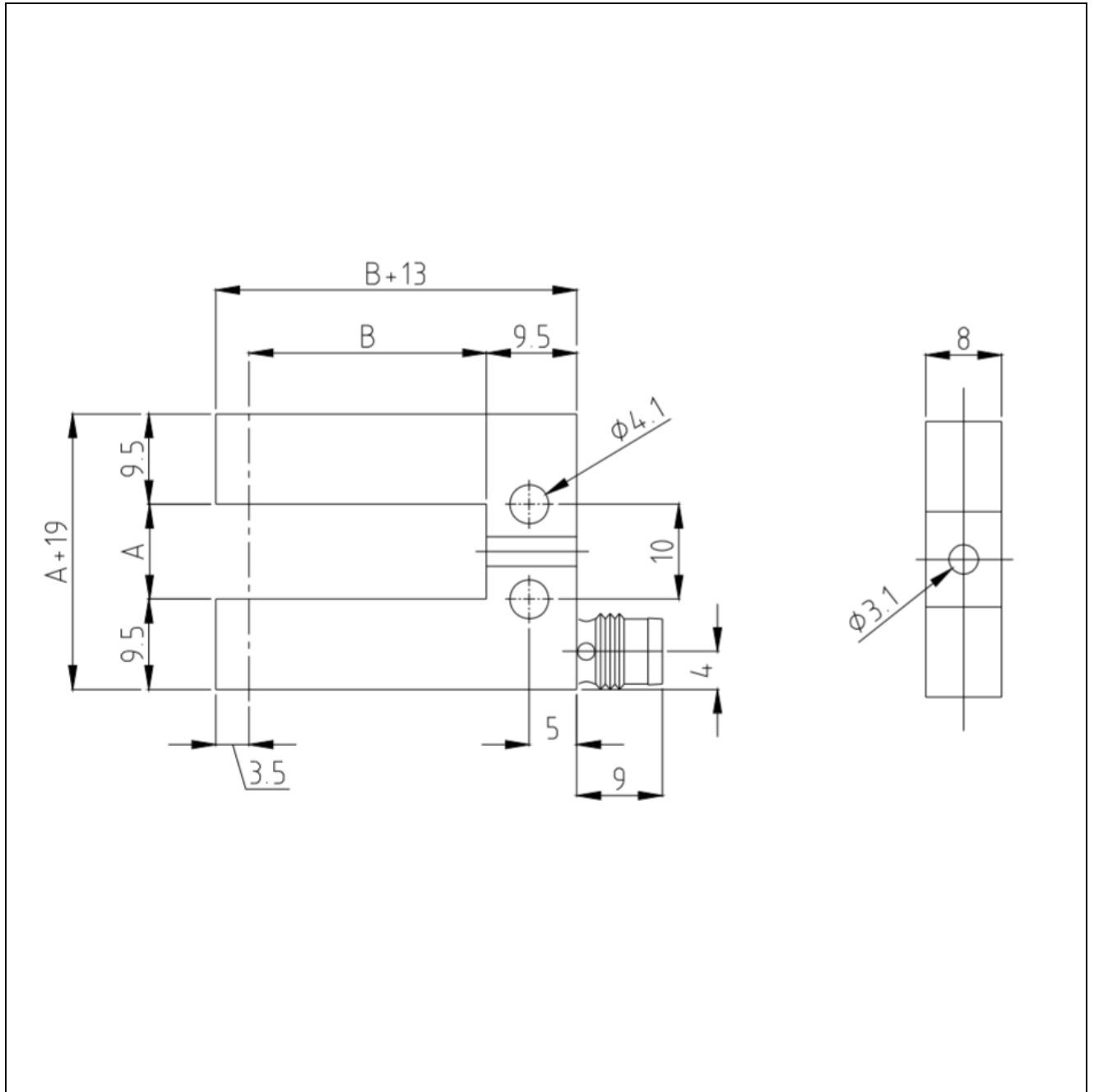
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pin assignment

M16, 7pin (6410 4041 xxxx)

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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