

fork light barrier

type: GLE



picture alike

GLE

5003 060x 0000

Apr-21

- _ robust aluminium housing
- _ integrated amplifier
- _ push-pull output
- _ switching state indicator
- _ oil-resistant PUR-cable
- _ scratch-resistant optic

application range

position detection, feed rate detection quick process counting

technical data

feature	
voltage supply	12 .. 32 V DC
max. current	app. 80 mA
transmitter	Infrared LED 905nm
receiver	photo transistor
housing	alu, gold anodised
outputs	digital PNP*
output current	100 mA
reproducibility	0,05mm
min. recognizable object	0.3 mm
apertures	0.8/1mm
switching frequency	5 kHz
switching state indicator	LED red/green

subject to change

TRsystems GmbH, system area
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 unidor@trsystems.de
www.unidor.de

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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 high Signal

order data / types

type	description	order number
GLE 10/15 (P3/0.8/S)	fork light barrier plugable	5003 0601 0000
GLE 20/15 (P3/0.8/S)	fork light barrier plugable	5003 0602 0000
GLE 20/30 (P3/1.0/S)	fork light barrier plugable	5003 0603 0000
GLE 25/50 (P3/1.0/S)	fork light barrier plugable	5003 0604 0000
GLE 30/30 (P3/1.0/S)	fork light barrier plugable	5003 0605 0000
CCB-GLE	LS*WZS 3B/7S PNP	6410 4003 0000
M12 plug	4-pin own manufacture	6200 0627
M8 plug	3-pin own manufacture	6200 01569

dimensions

type	measure A	measure B	aperture
GLE 10/15 (P3/0.8/S)	5 mm	10 mm	0.8
GLE 20/15 (P3/0.8/S)	10 mm	10 mm	0.8
GLE 20/30 (P3/1.0/S)	10 mm	30 mm	1.0
GLE 25/50 (P3/1.0/S)	20 mm	15 mm	1.0
GLE 30/30 (P3/1.0/S)	20 mm	30 mm	1.0

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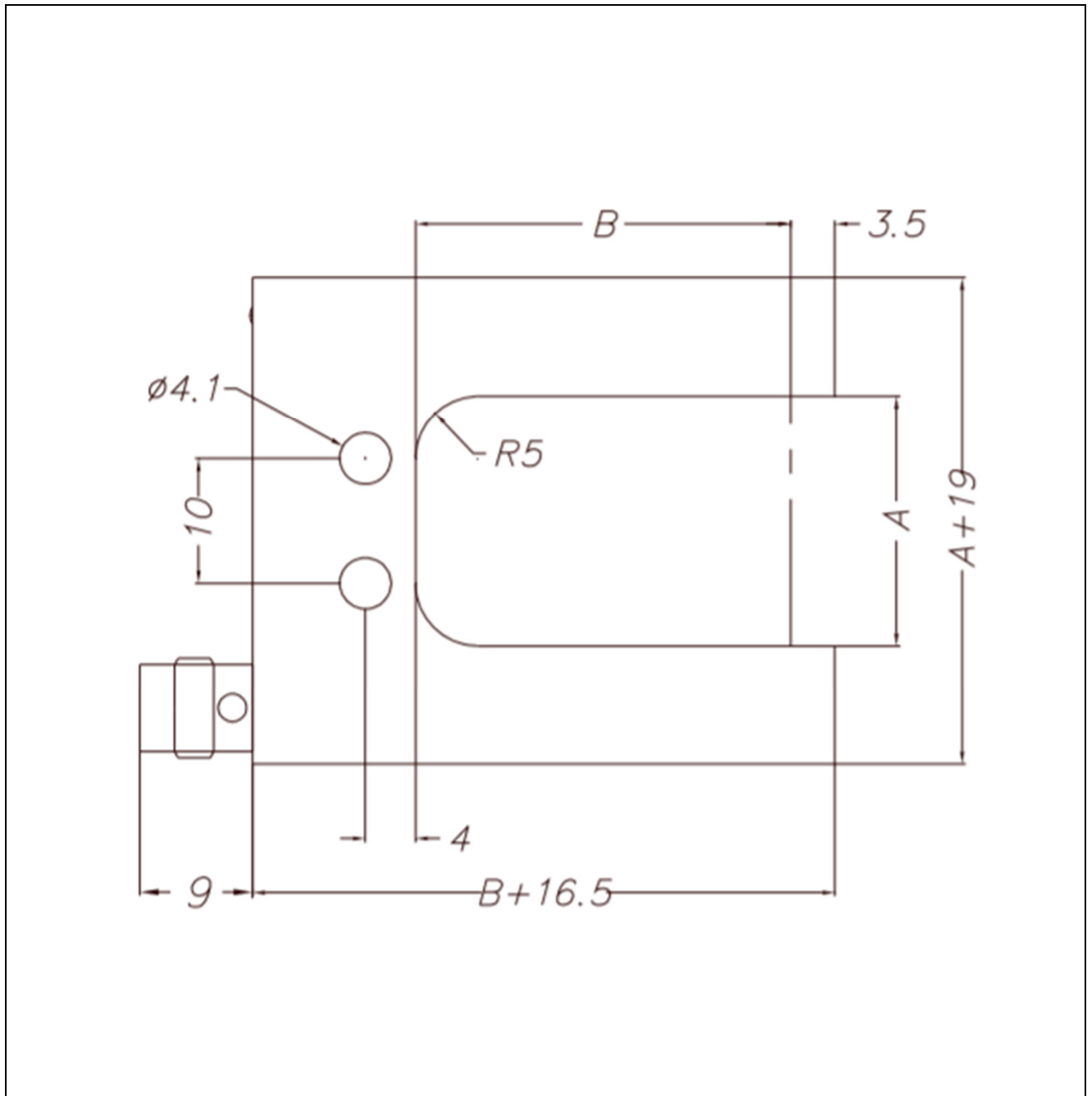
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pin assignment

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

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