

fork light barrier

type: GD 5x15 10x15 20x20 20x30 40x20 int. electronic



picture alike

GD 5x15 10x15 20x20 20x30
40x20

5003 020x xxxx

- _ blast air connection
- _ int. electronic
- _ robust aluminium housing
- _ oil-resistant PUR-cable
- _ high definition
- _ switching state indicator LED
- _ insensitive to extraneous light

application range

position detection, feed rate detection quick process counting

technical data

feature	
voltage supply	12 .. 28 V DC
max. current	app. 90 mA
transmitter	IR-LED
receiver	photo transistor
housing	alu, gold anodised
outputs	2x digital dark and light switching NPN/PNP*
output current	200 mA
reproducibility	0.05mm
minimally recognizable object	0.3 mm
apertures	0.8 mm
switching frequency	5 kHz
switching state indicator	LED green/red

subject to change

TRsystems GmbH, system area
UNIDOR
Freiburger Straße 3
75179 Pforzheim
Tel. +49 (0) 7231 3152-0
unidor@trsystems.de
www.unidor.de

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ambient conditions

operating temperature range	-20 .. + 60°C
enclosure rating	IP 67
ambient light level	5000 Lux

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

order data / types

type	description	order number	(order number without plug)
GD 5x15	fork light barrier with (without) plug M16 7pin	5003 0203 0000	(5101 9134)
GD 10x15	fork light barrier with (without) plug M16 7pin	5003 0202 0000	(5101 9015)
GD 20x20	fork light barrier with (without) plug M16 7pin	5003 0204 0000	(5101 9016)
GD 20x30	fork light barrier with (without) plug M16 7pin	5003 0205 0000	(5101 9017)
GD 40x20	fork light barrier with (without) plug M16 7pin	5003 0206 0000	(5101 9018)

accessories

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

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dimensions

type	measure A	measure B	measure C	measure D
GD 5x15	5mm	15mm	11,5mm	52mm
GD 10x15	10mm	15mm	16,5mm	52mm
GD 20x20	20mm	20mm	25mm	52mm
GD 20x30	20mm	30mm	25mm	62mm
GD 40x20	40mm	20mm	42,5mm	52mm

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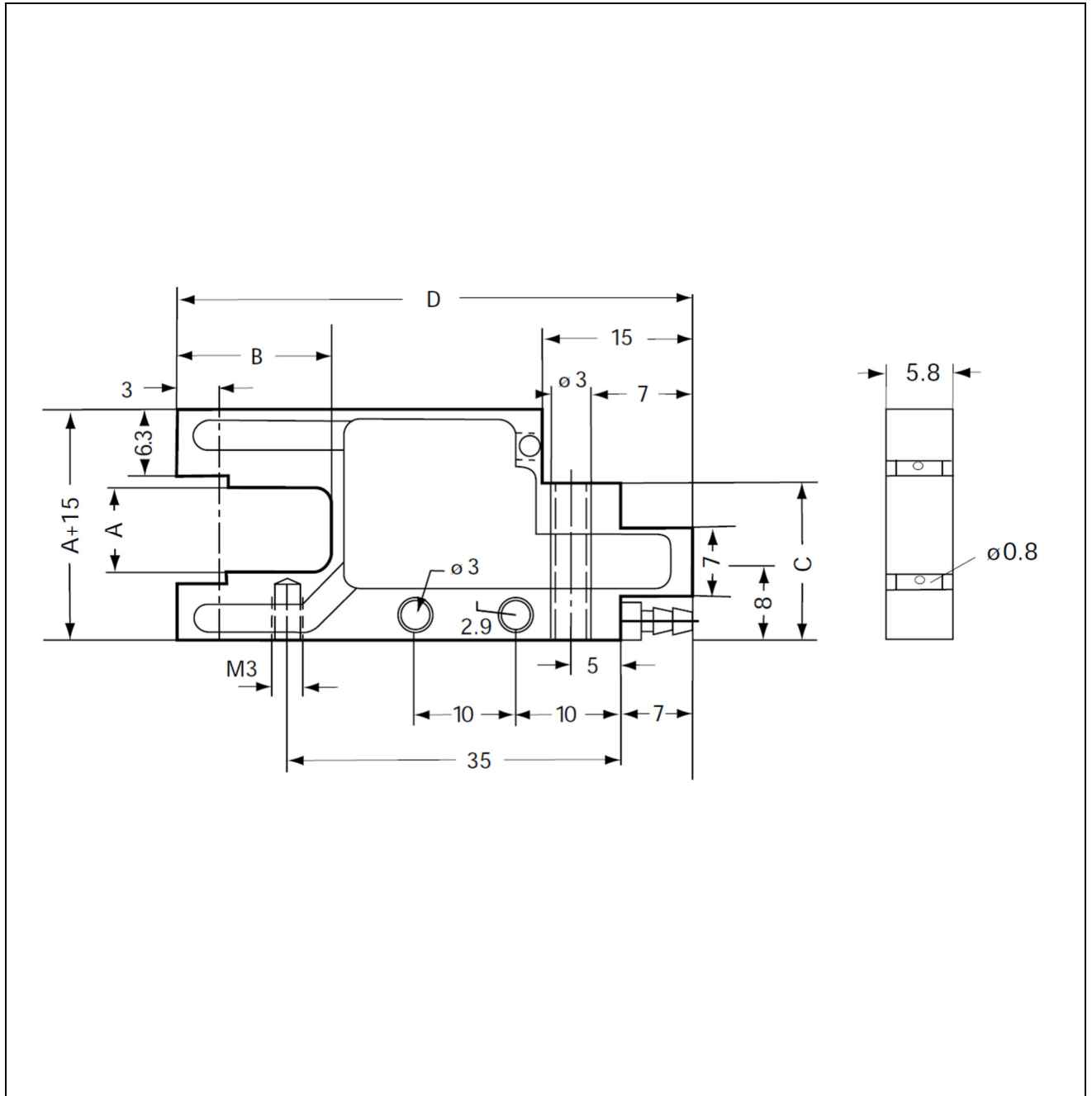
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pin assignment

M16, 7pin (6330 0040 0000)

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

M12, 4pin (6200 0627)

colour	Pin	operation
brown	1	UB
-	2	n.c.
green and shield	3	GND 0V
white or yellow	4	signal

M8, 3pin (6200 01569)

colour	Pin	operation
brown	1	UB
white or yellow	4	signal
green and shield	3	GND 0V

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