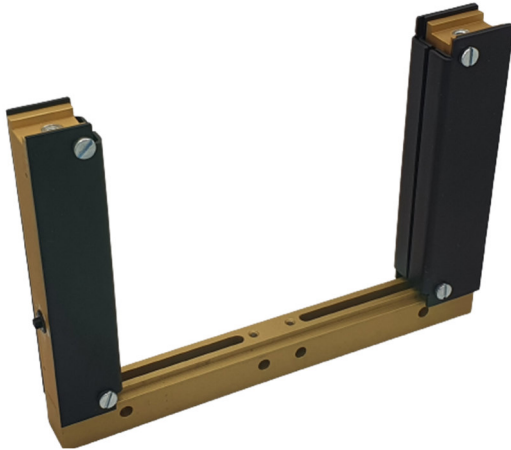


frame light barrier

type: LAV



picture alike

LAV

5009 02xx xxx

Apr-21

- high sensitivity
- insensitive to external effect of light
- integrated amplifier with adjustable pulse length and sensitivity
- dirt accumulation compensation with indicator
- scratch-resistant optic
- oil-resistant PUR-cable

application range

part output detection

quick process counting

technical data

feature	
voltage supply	15 .. 28 V DC
max. current	dependent on type, 120...240 mA
transmitter	IR-LED
receiver	photo transistor
housing	alu, gold anodised
outputs	static / dynamic / dirt boarder*
output pulse with	adjustable, 5 levels
	20, 50, 100, 200 300 ms
output level	Ub (max. 50mA)
sensitivity dynamic	0.6 mm (ball)
sensitivity	2 mm
switching frequency	1 kHz
switching frequency highspeed („HS“)	10 kHz
switching state indicator	LED green/red

subject to change

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 75179 Pforzheim
 Tel. +49 (0) 7231 3152-0
 unidor@trsystems.de
www.unidor.de

frame light barrier

type: LAV

LAV

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ambient conditions

operating temperature range	-20 .. + 60°C
enclosure rating	IP 67
ambient light level	5000 Lux
resistant against chem. substances	connecting cables resistant to oil

* output quasi-static depending on the degree of the cover (10...200s).
 output dynamic with adjustable impulse length more than 5 steps (20...300ms).
 functionality of the light barrier by pin assignment of the plug (white or yellow)
 output dirt boarder (LED yellow) with 50% of cover.

order data / types

type	measure A	max. current	order number
LAV 60	60 mm	120 mA	5009 0201 0000
LAV 60 HS	60 mm	120 mA	5009 0201 1920
LAV 80	80 mm	140 mA	5009 0202 0000
LAV 80 HS	80 mm	140 mA	5009 0202 1920
LAV 100	100 mm	160 mA	5009 0203 0000
LAV 100 HS	100 mm	160 mA	5009 0203 1920
LAV160	160 mm	200 mA	5009 0204 0000
LAV160 HS	160 mm	200 mA	5009 0204 1920
LAV 200	200 mm	240 mA	5009 0205 0000
LAV 200 HS	200 mm	240 mA	5009 0205 1920

dimensions

measure A	measure B	measure C	measure D	measure E	measure F	measure G
60 mm	G-47.5 mm	27.5 mm	A+14 mm	B+20 mm	A+59 mm	B+47.5 mm
80 mm						
100 mm						
160 mm						
200 mm						

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frame light barrier

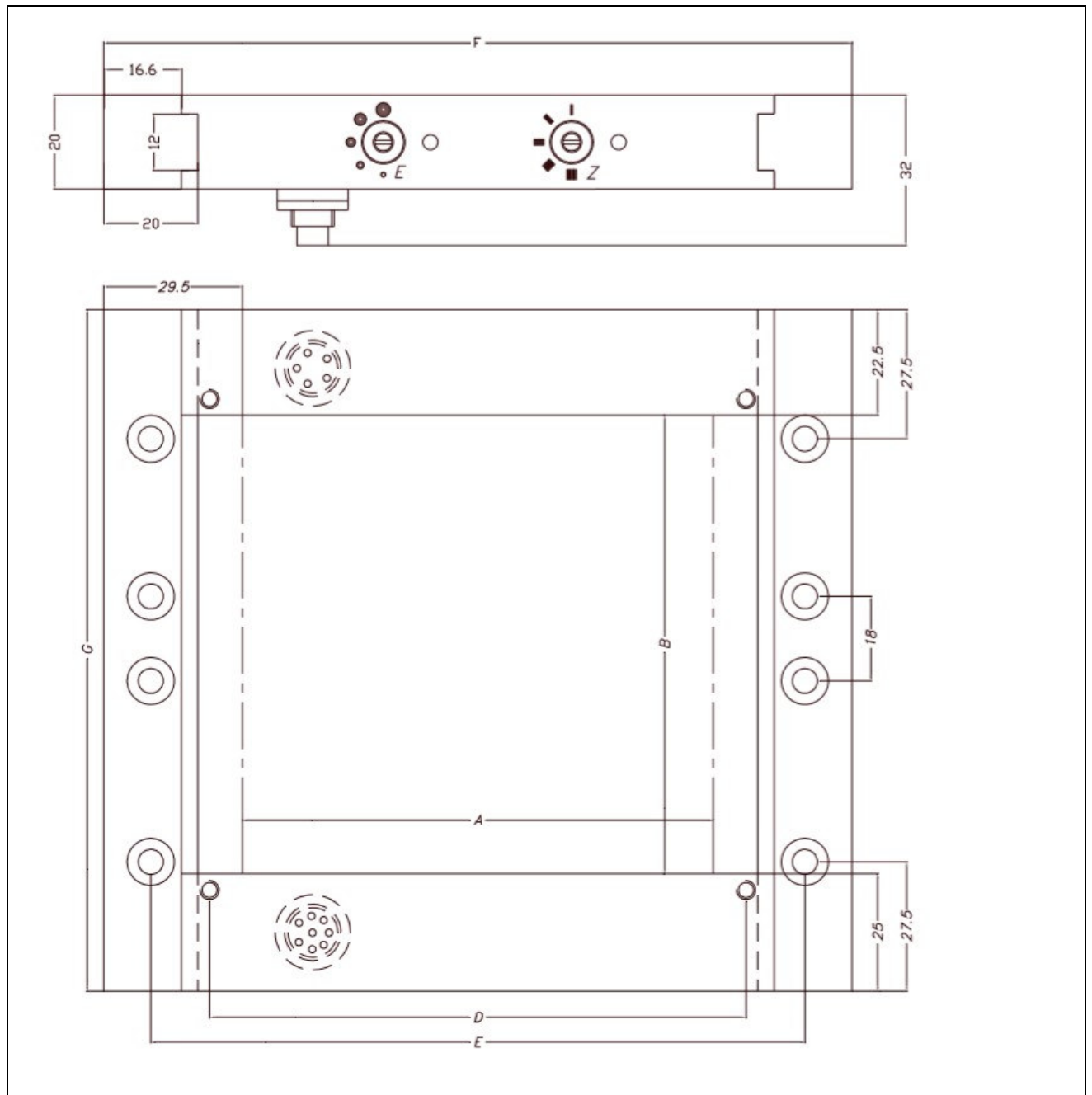
type: LAV

LAV

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dimensions



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frame light barrier

type: LAV

LAV

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accessories

type	order number
connecting cable	
M16, 2m, plug 7pin	
connection quasistatic	6410 4014 0120
connection dynamic	6410 4014 0020
universal, cable open ends	6410 4014 0220
M12 plug 4pin own manufacture	6200 0627
M8 plug 3pin own manufacture	62000 1569
y-cable with connection block	5101 9112

mounting rail 200mm	5101 9032
mounting rail 400mm	5101 9033

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frame light barrier

type: LAV

LAV

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pin assignment

M16, 7pol (6410 4041 xxxx)

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 (62000 1569)

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

subject to change

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