frame light barrier

type: LAG

LAG
5009 01xx xxx
Apr-21

picture alike

- 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	12 .. 32 V DC
max. current	dependent on type, 160...200 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 state indicator	LED green/red

subject to change

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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	order number (with plug)	order number (without plug)
LAG 60x60R	5009 0101 0020	5009 0101 0120
LAG 60x80R	5009 0102 0020	5009 0102 0120
LAG 60x100R	5009 0103 0020	5009 0103 0120
LAG 80x60R	5009 0104 0020	5009 0104 0120
LAG 80x80R	5009 0105 0020	5009 0105 0120
LAG 80x100R	5009 0106 0020	5009 0106 0120
LAG 100x60R	5009 0107 0020	5009 0107 0120
LAG 100x80R	5009 0108 0020	5009 0108 0120
LAG 100x100R	5009 0109 0020	5009 0109 0120

dimensions

type	measure A	measure B	measure C	measure D	measure E
LAG 60x60R	60 mm	60 mm	B-40 mm	75 mm	B+20mm
LAG 60x80R	60 mm	80 mm	B-40 mm	95 mm	B+20mm
LAG 60x100R	60 mm	100 mm	B-40 mm	115 mm	B+20mm
LAG 80x60R	80 mm	60 mm	B-40 mm	75 mm	B+20mm
LAG 80x80R	80 mm	80 mm	B-40 mm	95 mm	B+20mm
LAG 80x100R	80 mm	100 mm	B-40 mm	115 mm	B+20mm
LAG 100x60R	100 mm	60 mm	B-40 mm	75 mm	B+20mm
LAG 100x80R	100 mm	80 mm	B-40 mm	95 mm	B+20mm
LAG 100x100R	100 mm	100 mm	B-40 mm	115 mm	B+20mm

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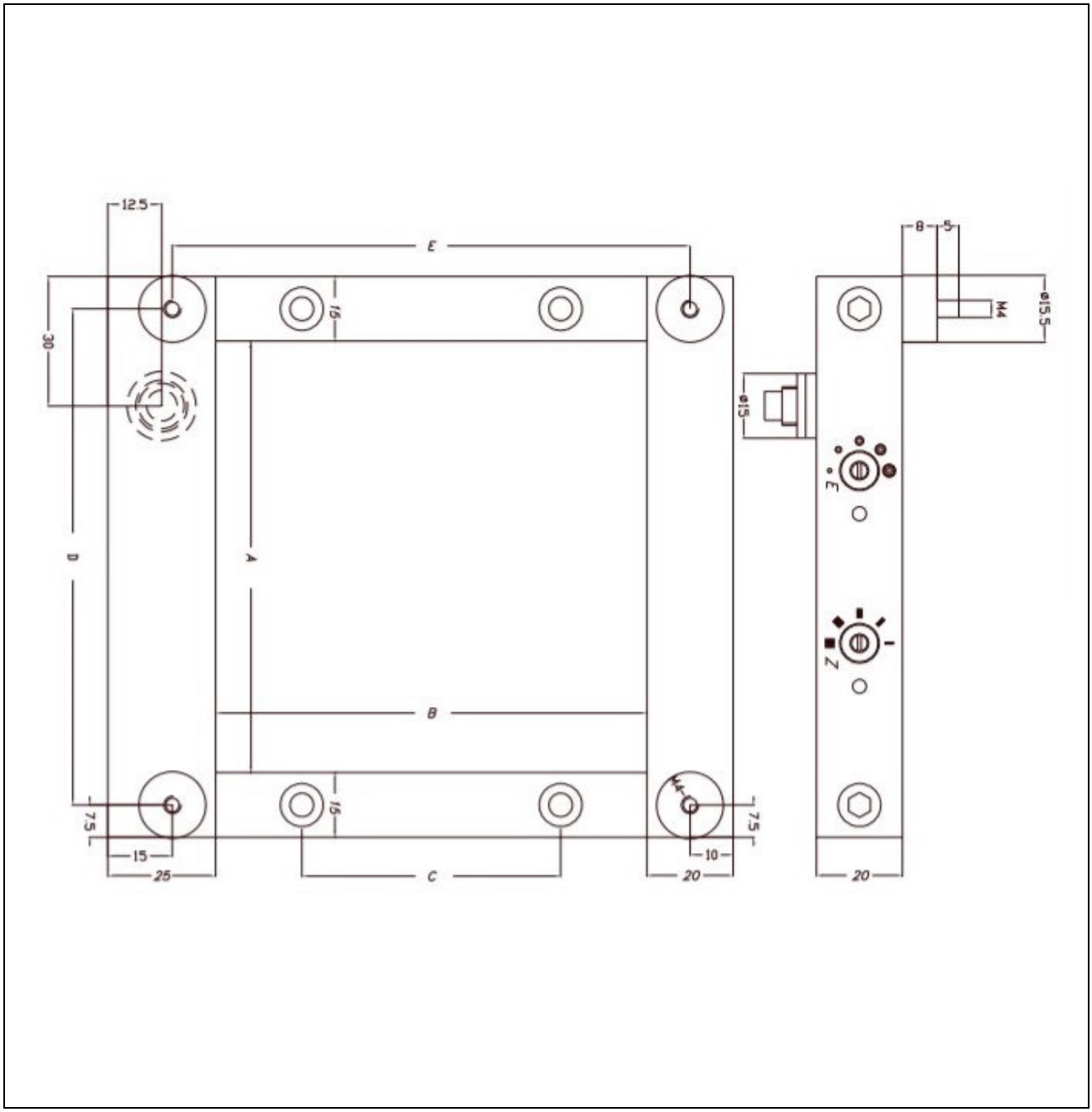
dimensions



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accessories

type		order number
connecting cable		
M16, 2m, plug 7pin (for s-variation only)		
connection	quasistatic	6410 4009 0020
connection	dynamic	6410 4009 0120
	universal, cable open ends	6410 4009 0220
M12 plug 4pin own manufacture		6200 0627
M8 plug 3pin own manufacture		62000 1569

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pin assignment

M16, 7pin (6410 4008 0020)

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

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