

- Retroreflective and diffuse sensor
- Cooling water connection
- Operating mode, adjustable
- 3 switching outputs (can be parameterized)
- On and off delay
- Alarm function, pollution, overtemperature
- Parameterization with RS 485 + Software
- Modbus RTU
- Plug S8 (M12 x 1 A)
- G3/4" thread for protection hose connection



Product Characteristics

Type	LXUB 600.3A GV S8
Connection	Art.-No.
Plug S8 (M12x1 A)	5062B
Application	Material detection of cold and hot objects

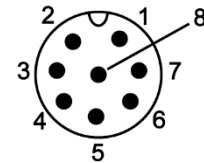
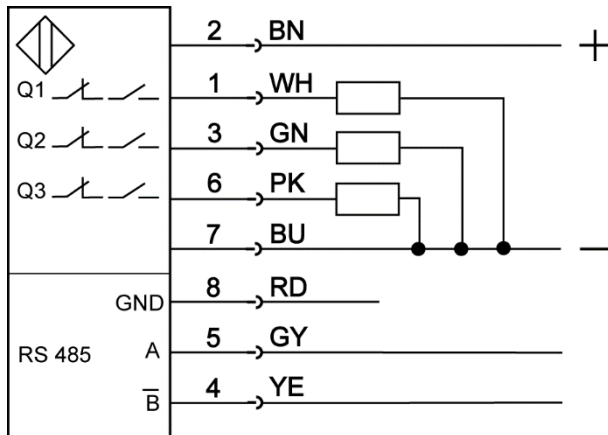
Technical Data

Function	retroreflective sensor or diffuse sensor (depending on adjustment)
Range adjustable	65 m / 6 m (retroreflective sensor* / diffuse sensor**)
Operation range adjustable	55 m / 4,5 m (retroreflective sensor* / diffuse sensor**)
Light type	invisible infrared light
Software functions	operating mode, configuration of switching outputs, on/off delay, alarm function, status display, teach-in, internal temperature
Alarm function	pollution, overtemperature
Adjustment aid	optical with LED, software
Supply voltage	12 - 55 V DC
Ripple	max. 15 %
Current consumption	< 40 mA
Digital communication	RS-485 MODBUS RTU
Output 1 (object / overtemperature)	PNP normally open / normally closed (can be parameterized)
Output 2 (object / overtemperature)	PNP normally open / normally closed (can be parameterized)
Output 3 (object / overtemperature / pollution)	PNP normally open / normally closed (can be parameterized)
On / off delay adjustable	0 – 60000 ms
Continuous current	0 - 400 mA
Short-circuit protection	yes, pulsing
Voltage drop	< 2,5 V
Readiness delay	≤ 50 ms
Response time / switching frequency	≤ 10 ms / 1000 Hz
Ambient temperature	-25 ... +70 °C without cooling, up to 200 °C with cooling
Cooling water	~3l/min., 5 bar max. (max. 25 °C)
Protection class	IP 67
Housing material	stainless steel
Functional display	LED

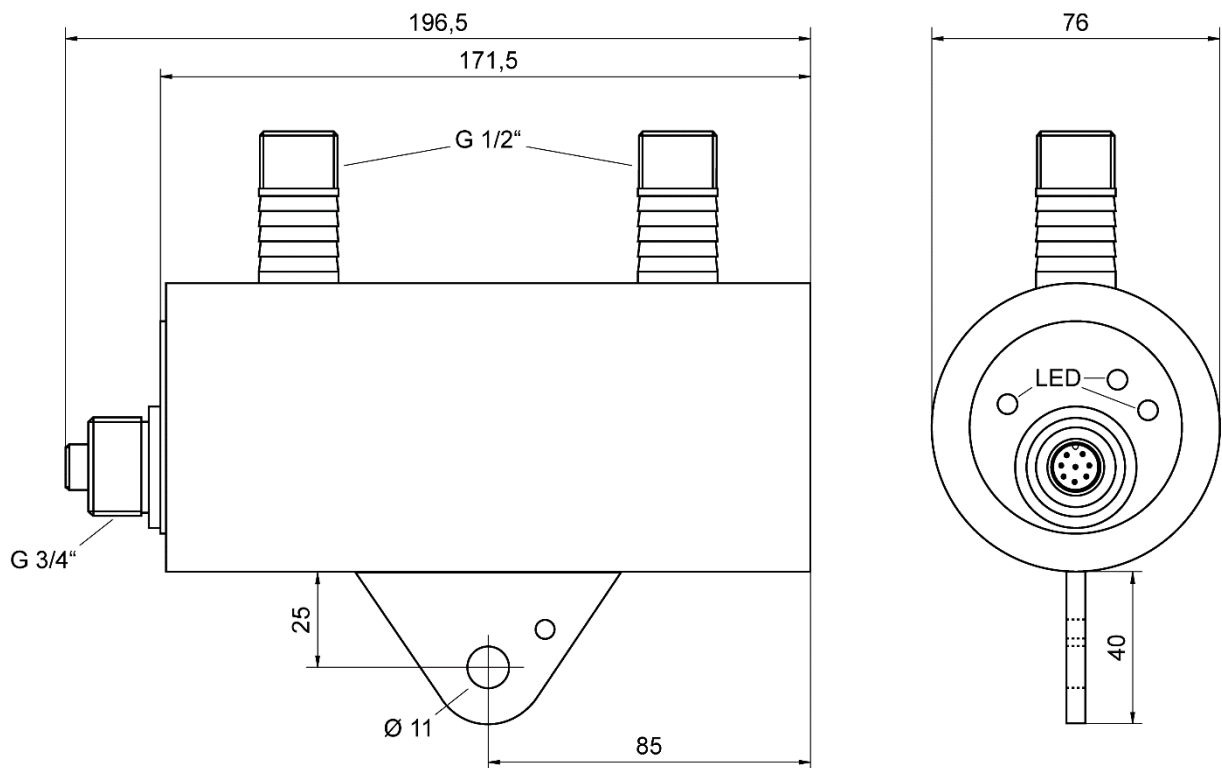
* referred to the OR 03 reflector 100 x 100 mm

** referred to a Kodak grey card 90% remission

Connection



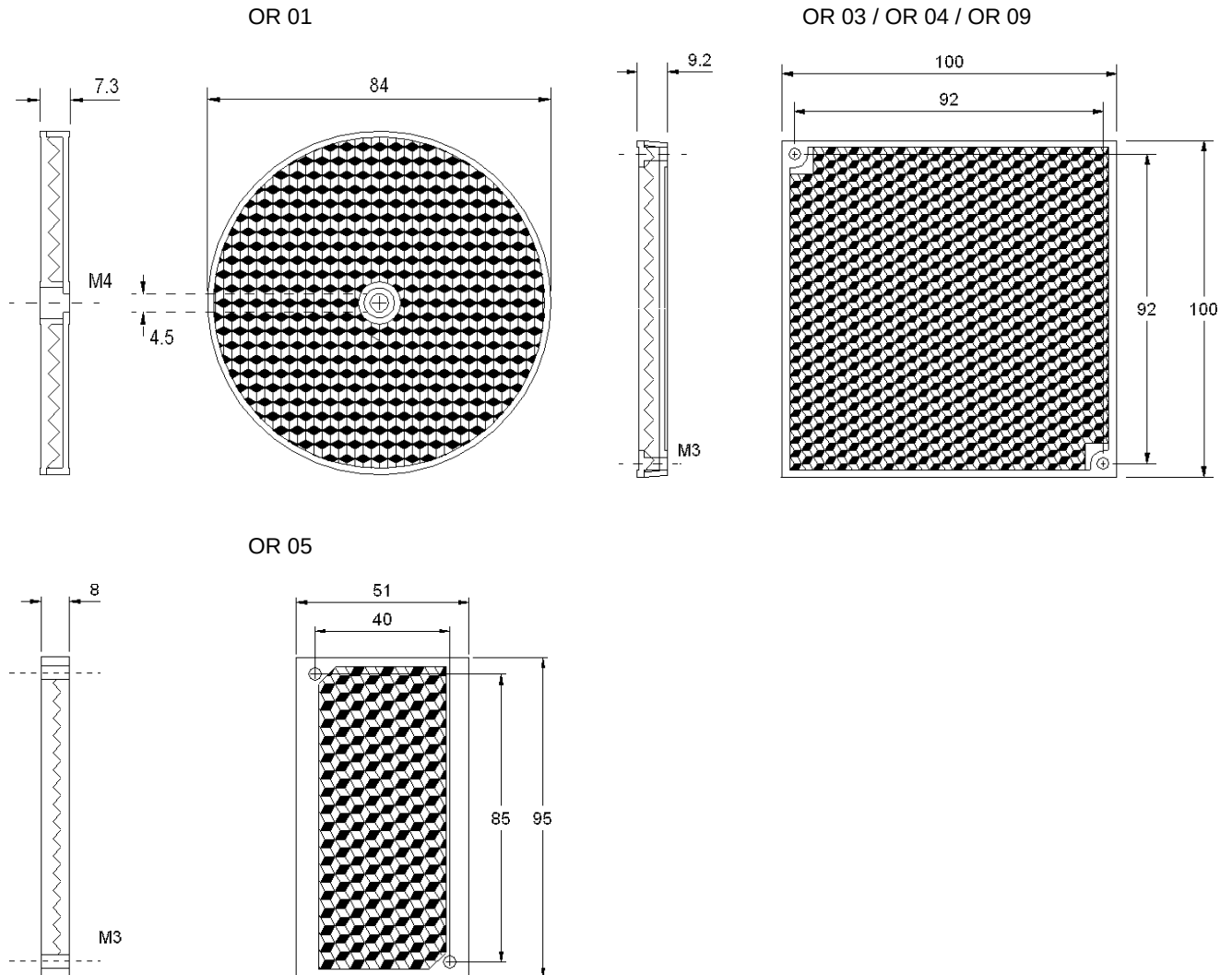
Dimension (mm)



Reflectors for retroreflective sensor (not in scope of supply)

	Type	Art.-No.
Reflector plastic 84 mm round, up to 60°C ambient temperature	OR 01	9818C
Reflector plastic 100 x 100 mm, up to 60°C ambient temperature	OR 03	9818E
Reflector plastic 100 x 100 mm, up to 150°C ambient temperature	OR 04	9818F
Reflector plastic 100 x 100 mm, chemical resistant, up to 150°C ambient temperature	OR 09	9818L
Reflector glass 94 x 51 mm, up to 500°C ambient temperature	OR 05	9818I

Dimension Reflectors (mm)



Accessories (in scope of supply)

	Type	Art.-No.
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Accessories (not in scope of supply)

	Type	Art.-No.
Connection cable 2 m, 8 wire, with straight female plug S8 (M12 x 1 A)	ST S8-2	9850O
Connection cable 5 m, 8 wire, with straight female plug S8 (M12 x 1 A)	ST S8-5	9850N
Connection cable 10 m, 8 wire, with straight female plug S8 (M12 x 1 A)	ST S8-10	9850S
Swivel stand	HM 2	9816B
Adapter 3/4" to M20 for protection hose connection (suitable protection hoses available)	HG 2	9855B
Pilot light attachment for adjustment	DAK 308	6913G
Adapter for Pilot light attachment DAK 308	OL 27	9828I
Air purge attachment	OL 35	9828R
Protection tube 100 mm for air purge attachment OL 35	OL 37	9828T
Mounting bracket for reflectors for mounting on HM 2 or HM 4	HM 6	9816F
Interface converter for parameterization		
Interface converter RS485, female plug S4 (M12 x 1 A) 5-wire to USB (Internal 24 V power supply for sensor)	SIC 485U	9861B
Power supply 90-260 V AC, 24 V DC / 1 A (for SIC 485U)	PPS 2	9853B
Adapter cable S8 (M12 x 1 A) female plug 8-pole to S4 (M12 x 1 A) plug 5-pole, 2 m cable (suitable for SIC 485U)	ST S8/4 S4/5-2	9851E
Interface converter RS485, plug Sub D 9-pole to USB (External power supply necessary)	SIC 485UD	9861E

Further information

	Document
Protection hoses	P46E
Manual	BDA_LX600_Universal_D_E