Infrared Sensor (HMD)
OXA 0629.3A GK S8

- Viewing angle 0,5° x 15°
- Response temperature 250 – 900 °C
- Switching outputs (can be parameterized)
- Standard-function, offset-function, jump-detection
- Alarm function pollution / overtemperature
- Test input / external teach function
- Parameterization with RS 485 + Software
- Modbus RTU
- Plug S8 (M12 x 1 A) 8 wire
- G3/4“ thread for protection hose connection

Product Characteristics

Type	**OXA 0629.3A GK S8**
Connection	**Art.-No.**
Plug S8 (M12x1 A) 8 wire	6307E
Application	Material detection of hot objects, temperature control, hot rolling, pressing, forging, sintering, heat treatment

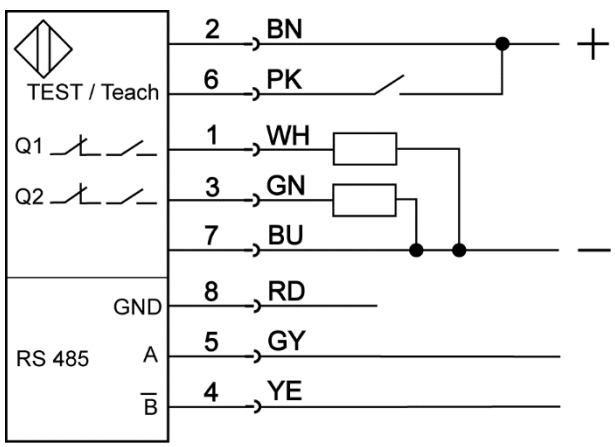
Technical Data

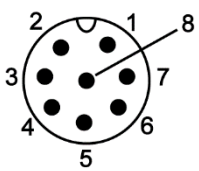
Viewing angle	0,5° x 15°
Response temperature	250, 300, 350, 400, 450, 500, 550, 600, 700, 800, 900 °C (factory setting = 450 °C)
Response temperature adjustable	yes (with software or teach-in)
Switching hysteresis	approx. 25 K
Software functions	configuration of switching outputs, response temperature standard, offset or jump detection, alarm function, status display, teach-in, internal temperature
Standard-function	response temperature can be parameterized for each output
Offset-function	divergent response and switch-off temperature can be parameterized for each output
Jump-detection	temperature rise / fall signalization
Alarm function	output Q2 signals pollution / overtemperature
Test function (object detection simulation)	outputs Q1 and Q2 are switching
Supply voltage	10 - 55 V DC
Ripple	max. 15 %
Current consumption	< 15 mA
Digital communication	RS-485 MODBUS RTU
Output 1 (object)	PNP normally open / normally closed (can be parameterized)
Output 2 (object / alarm)	PNP normally open / normally closed (can be parameterized)
Continuous current	0 - 400 mA
Short-circuit protection	yes, pulsing
Voltage drop	< 2,5 V
Readiness delay	≤ 300 ms
Response time / switching frequency	≤ 0,3 ms / 1500 Hz
Ambient temperature	-10 ... +75 °C
Protection class	IP 67
Optical material	temperature-resistant quartz glass
Housing material	stainless steel
Functional display	LED

Optic

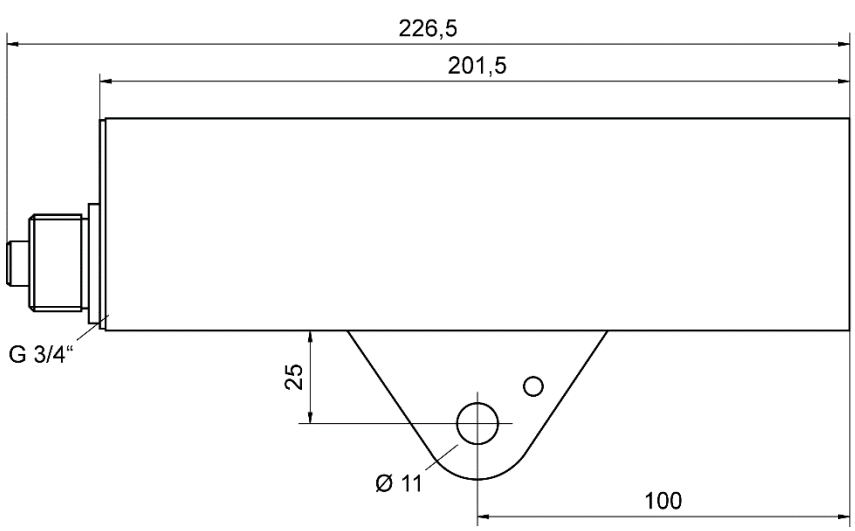
Measurement distance [m]	0	1	2	3	4	5
Light spot [mm]	30 x 32	10 x 250	20 x 550	30 x 850	40 x 1150	50 x 1450

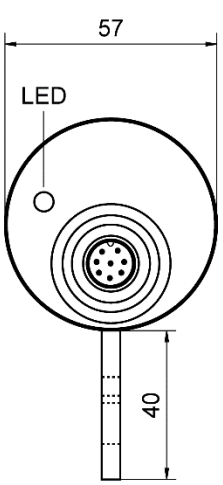
Connection





Dimension (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
External connection box for optical sensors 8 wire with RS485 interface	CBA 104	9859C
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 alignment	DAK 308	6913G
Adapter for Pilot light attachment DAK 308	OL 26	9828H
Tubus	OL 19	9828A
Air purge attachment	OL 34	9828Q
Tube for air purge attachment OL 34	OL 36	9828S
Protection tube 100 mm for air purge attachment OL 34	OL 37	9828T
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
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_OXA_OXB_29_D_E