

- Response temperature 400 – 1000 °C
- For 3 separate optical cable and optics
- Individual evaluation or redundant function
- Parameterization with RS 485 + Software
- Standard-function, offset-function, alarm-function
- 3 free adjustable switching outputs
- Test input / external teach function
- terminal chamber



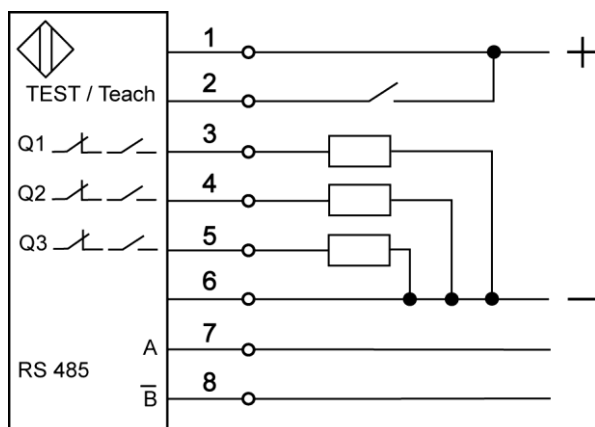
Product Characteristics

Type	OXLF 3L41.3A GK
Art.-No.	7542A
Application	Material detection of hot objects

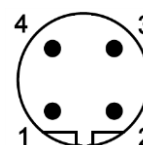
Technical Data

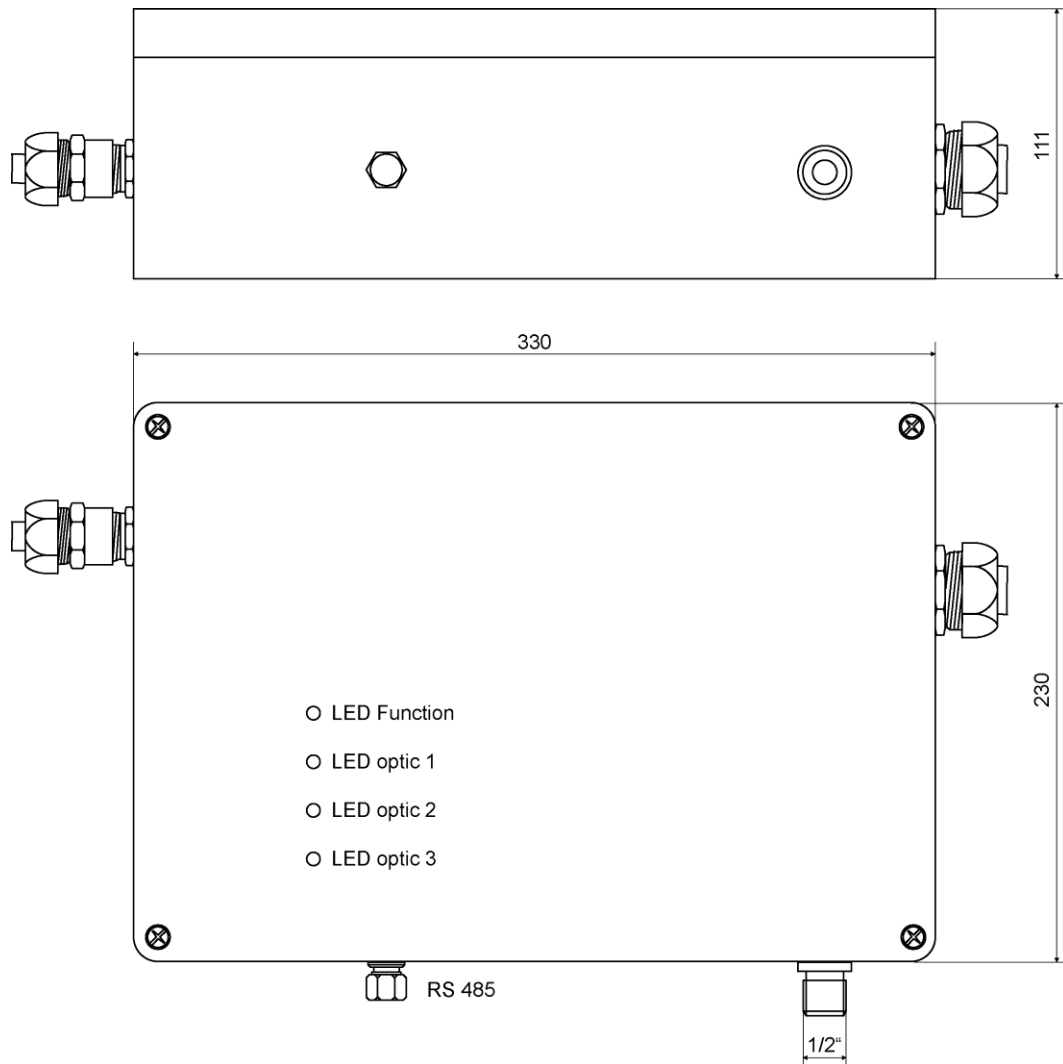
Response temperature parameterized	400 – 1000 °C
400 – 750 °C in 50 K steps, 800 – 1000 °C in 100 K steps, (factory setting = 550 °C)	
Switching hysteresis	ca. 25 K
Test function (simulation of a hot object)	output Q1, Q2 and Q3 switching
Standard-function	Response temperature can be parameterized for each output
Offset-function	Response and switch-off temperature deviant can be parameterized for each output
Alarm-function	Response temperature Q1, Q2 and alarm temperature Q3 can be parameterized
Teach-Function	Set point is teachable for standard-function, offset-function and alarm-function
Redundancy function	Output switches when object is detected by 1 of 3, 2 of 3 or 3 of 3 optics
Supply voltage	10 - 55 V DC
Ripple	max. 15 %
Current consumption	< 15 mA
Digital communication	RS 485 MODBUS RTU
Output	3 x PNP normally open / normally closed (can be parameterized)
Continuous current rating	0 - 400 mA
Short-circuit protection	yes, pulsing
Voltage drop	< 2,5 V
Response time / switching frequency	0,3 ms /1500 Hz
Ambient temperature	-10 ... +70 °C (Optical fiber cable and optic to 290 °C)
Protection class	IP 67
Housing material	aluminum
Functional display	LED
Connection device	Terminal chamber
Connection Interface	Terminal chamber or plug S6 (M12 x 1 B) 4 wire
Connection air purge for protection tube	R1/2" external thread conical like ISO 7/1
Air consumption with OIL 1003 / OIL 2003	approx. 250 l/min (1,5 bar)

Connection



plug S6 for parameterization only



Dimension (mm)

Accessories (not in scope of supply)

	Type	Art.-No.
Protection tube 1 m length with 3 optics, 3 fibre cables and protection tube 2 m	OIL 1003	6442A
Protection tube 2 m length with 3 optics, 3 fibre cables and protection tube 1 m	OIL 2003	6442D
Interface converter RS485, female plug S6 (M12 x 1 B) 4-pole to USB (Incl. 24 V operating voltage for sensor with power supply PPS 2)	SIC 485U S6	9861F
Power supply 90-260 V AC, 24 V DC / 1 A (for SIC 485U S6)	PPS 2	9853B
Interface converter RS485, plug Sub D 9-pole to USB (External power supply necessary)	SIC 485UD	9861E
Adapter S6 (M12 x 1 B) female plug to female Sub D 9-pin (suitable for SIC 485UD)	ST S6/4 SUBD-2	9851C

Further Information

	Document
Manual	BDA_OXLF_L_D_E