

Proxitron Through-Beam Light Barrier for fiber optic cables LLK LXSLS 600.2A GV S8 (Receiver)

SENSORS MADE IN GERMANY

- Range 750 m
- Stainless steel housing M40
- For separate optical cable and optics
- Optical fiber cable and optic up to 290 °C ambient temperature
- 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)



Product Characteristics

Type	LXSLS 600.2A GV S8
Connection	Art.-No.
Plug S8 (M12 x 1 A)	5075A
Suitable transmitter	LXAA 600, LXAB 600, LXAD 600, LALS 600
Application	Material detection of cold and hot objects

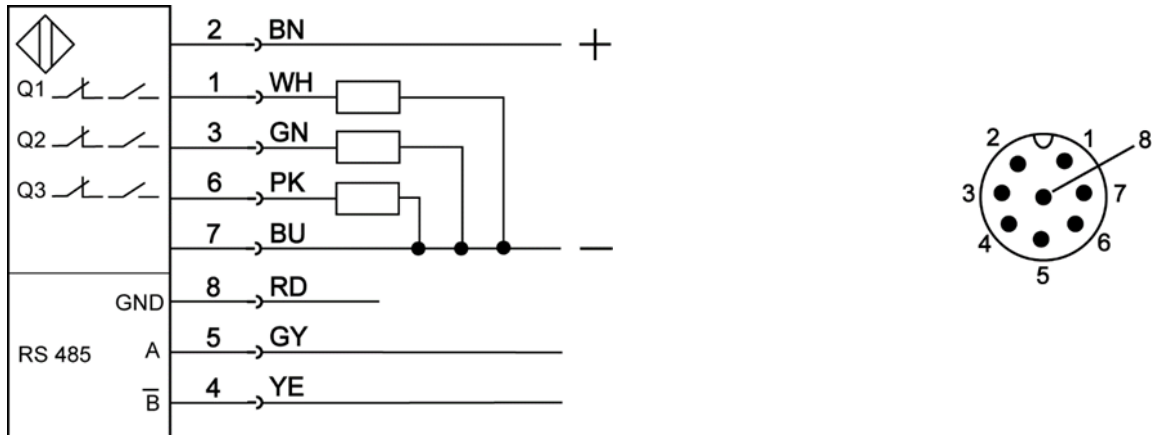
Technical Data

Function	Receiver
Range adjustable	750 m with LXAA/LXAB 600, 250 m with LALS 600
Operation range adjustable	600 m with LXAA/LXAB 600, 200 m with LALS 600
Light type	invisible infrared light
Software functions	configuration of switching outputs, on/off delay, alarm function, status display, teach-in, internal temperature
Alarm function	pollution, overtemperature
Alignment aid	optical with LED at the back side, software
Supply voltage	10 - 30 V DC
Ripple	max. 15 %
Current consumption	< 15 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	≤ 0,5 ms / 1000 Hz
Ambient temperature	-25 ... +70 °C
Protection class	IP 67
Housing material	stainless steel
Functional display	LED

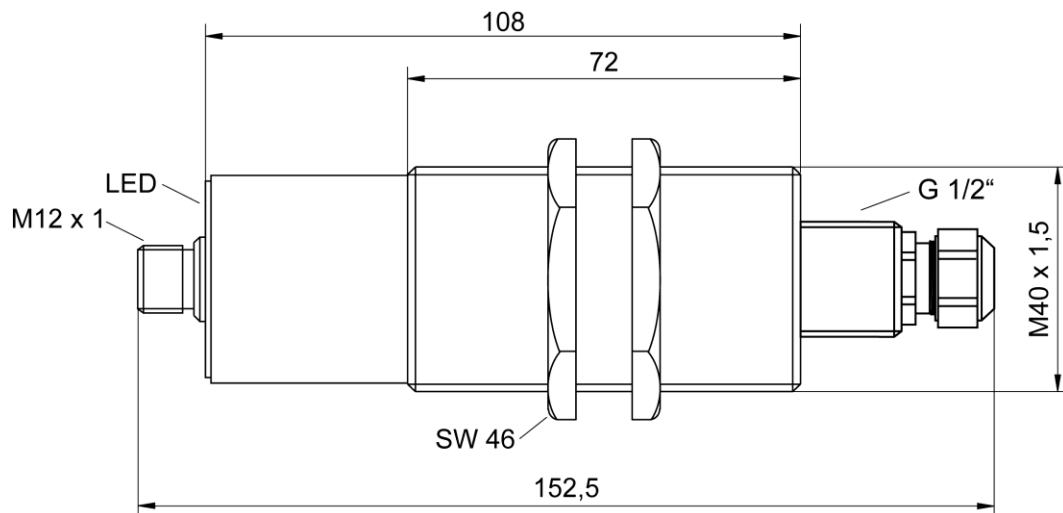
Proxitron Through-Beam Light Barrier for fiber optic cables LLK LXSLS 600.2A GV S8 (Receiver)

SENSORS MADE IN GERMANY

Connection



Dimension (mm)



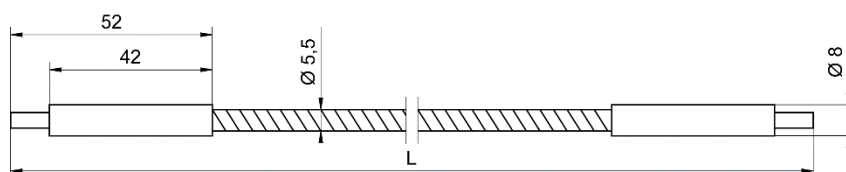
Proxitron Through-Beam Light Barrier for fiber optic cables LLK LXSLS 600.2A GV S8 (Receiver)

SENSORS MADE IN GERMANY

Optical Fiber Cable (not in scope of supply)

	Type	Art.-No.
1 m optical fiber cable up to 290°C ambient temperature	LLK 1	6436C
2 m optical fiber cable up to 290°C ambient temperature	LLK 2	6436F
4 m optical fiber cable up to 290°C ambient temperature	LLK 4	6436I
5 m optical fiber cable up to 290°C ambient temperature	LLK 5	6436J
6 m optical fiber cable up to 290°C ambient temperature	LLK 6	6436M
8 m optical fiber cable up to 290°C ambient temperature	LLK 8	6436K
10 m optical fiber cable up to 290°C ambient temperature	LLK 10	6436L
12 m optical fiber cable up to 290°C ambient temperature	LLK 12	6436N
15 m optical fiber cable up to 290°C ambient temperature	LLK 15	6436Q
20 m optical fiber cable up to 290°C ambient temperature	LLK 20	6436P

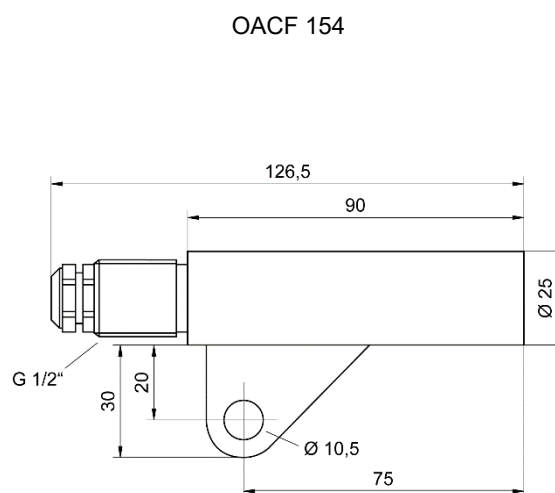
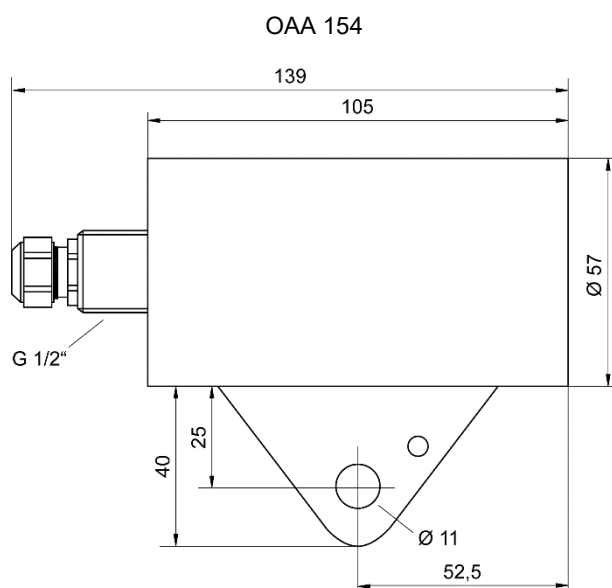
Dimension Optical Fiber Cable (mm)



Optic (not in scope of supply)

	Type	Art.-No.
Optic big 1,5° viewing angle, up to 150°C ambient temperature	OAA 154	6049B
Optic big 1,5° viewing angle, up to 290°C ambient temperature	OAA 154H	6049A
Optic small 1,5° viewing angle, up to 290°C ambient temperature	OACF 154	6036O
Optic small 1,5° viewing angle, optical side up to 600°C ambient temperature	OACF 154H	6036R

Dimension Optic (mm)



Proxitron Through-Beam Light Barrier for fiber optic cables LLK LXSL 600.2A GV S8 (Receiver)

SENSORS MADE IN GERMANY

Accessories (in scope of supply)

	Type	Art.-No.
SW 46 nut, M40 x 1.5, nickel-plated brass, 2 pieces	-	-

Accessories (not in scope of supply)

	Type	Art.-No.
Sensor		
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
Mounting angle adjustable	DAK 305	6913E
Mounting angle fixed	DAK 304	6913D
Optics and fiber optic cables		
Swivel stand for optic OAA	HM 2	9816B
Swivel stand for optic OACF	HM 4	9816D
Pilot light attachment for adjustment	DAK 308	6913G
Adapter for Pilot light attachment for optic OAA	OL 26	9828H
Adapter for Pilot light attachment for optic OACF	OL 28	9828K
Tubus for optic OAA	OL 19	9828A
Air purge attachment for optic OAA	OL 34	9828Q
Tube for air purge attachment OL 34	OL 36	9828S
Air purge attachment for optic OACF	OL 44	9829B
Adapter G1/2" to M20 internal thread (protective tube mounting of fiber optic cable)	HG 6	9855F
Appropriate protective tube sets for light guides available		
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 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 LXSL600 Einweg D E