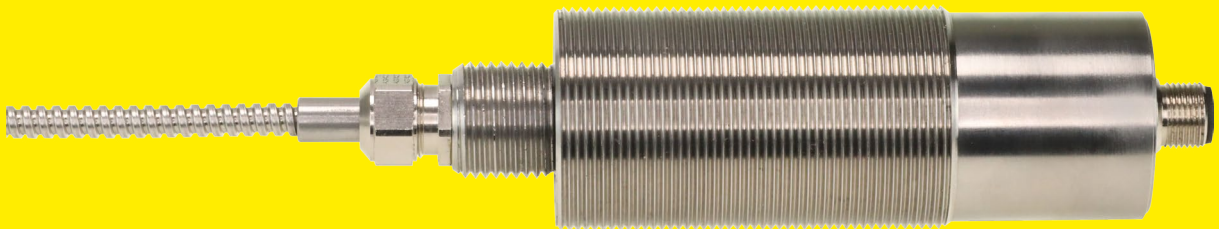


Through-Beam Light Barriers

M40 with fiber optic cable

Detection of objects at high ambient temperatures

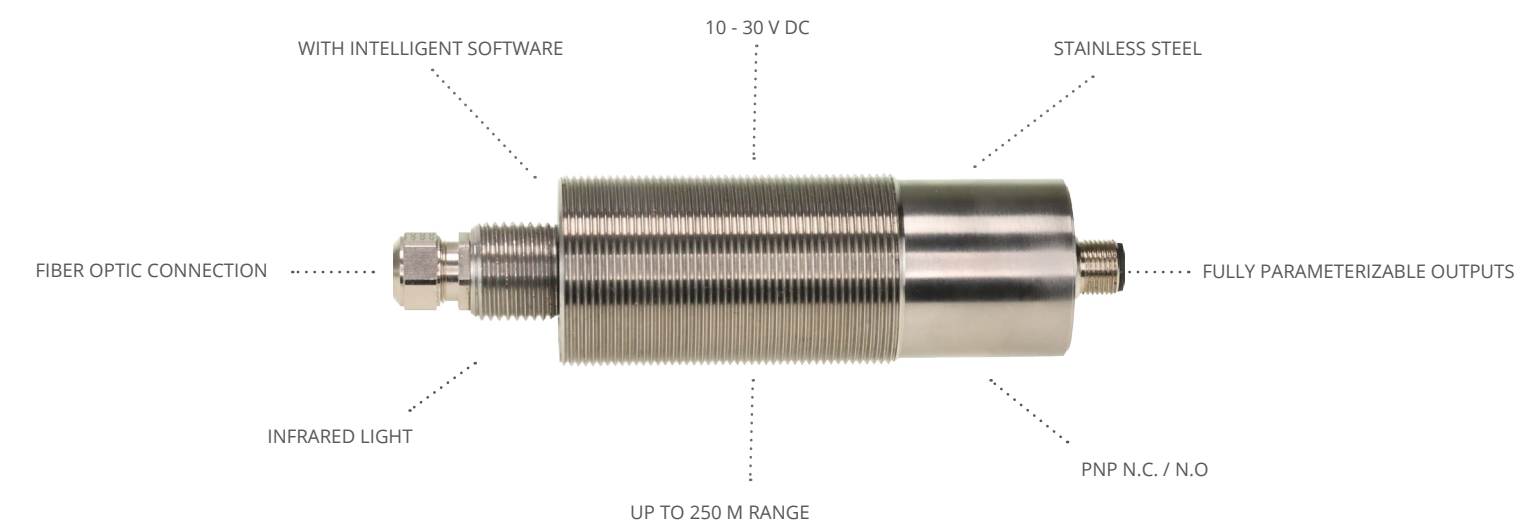


Through-Beam Light Barrier (M40) with fiber optic cable

The compact M40 series through-beam sensors with fiber-optic connection provide reliable detection of hot and cold objects at elevated ambient temperatures. Their compact design makes them particularly suitable for applications where installation space is limited.

Fiber-optic cables in various lengths and optics for different temperature ranges are available to suit different operating conditions. The long sensing range provides a high operating reserve. Software-based parameterization allows flexible adaptation to a wide range of applications. Alarm functions provide early warning of contamination and overheating. Additional accessories offer further options for adaptation and protection.

- detection of hot and cold objects
- enhanced range for optimal performance
- compact design (M40) with fiber optic connection
- Fiber-optic cables up to 290 °C and 20 m lenght
- Optic up to max. 600 °C
- easy parameterization via software
- individual settings for switching outputs
- alarm for excessive temperature and pollution
- Teach and test function
- RS 485 interface (MODBUS RTU)
- extremely fast (0,5 ms/1000 Hz)
- robust and maintenance-free
- wide range of accessories



Light type	IR-light
Transmitter type	LALS 600.2 S4
Receiver type	LXSL 600.2A GV S8
Max range / operating range	250 m / 200 m
Ambient temperature max.	Sensor 70 °C / fiber optic cable 290 °C / optic 600 °C
Parameterization	software
Software functions	switching outputs, on/off delay, alarm function, status display, teach-in, internal temperature
Alarm function	pollution, excessive temperature
Digital communication	RS-485 (MODBUS RTU)
Housing [mm]	M40 x 108
Housing material	stainless steel

Accessories	Fiber optic cables	Optics	Mounting bracket	Visible laser light
Type	LLK (2, 4, 5, 6, 8, 10, 15, 20)	OACF 154	DAK 304	DAK 308
Description	up to 290 °C (lenght 2 - 20 m)	up to 290 °C	mounting bracket sensor	Laser
Type		OACF 154 H	HM 4	OL 28
Description		290 °C (600 °C optical side)	mounting bracket optic	adapter for optic OACF