Fibre optic sensor: smart, fast, convenient
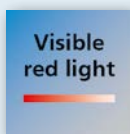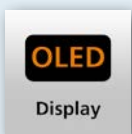
Fibre optics and fibre optic sensors

Intelligent clamping system simplifies installation

Fast set-up thanks to intuitive menu navigation and OLED display

Automatic selection of the right operating mode

Two switching outputs - for fast processes and diagnostic options

Helpful maintenance functions support the system availability

IP 65

IO-Link

OLED Display

Visible red light

Convenient installation and operation

When the smallest or most transparent objects have to be detected in applications where space is limited: fibre optic technology is the best choice. With the OCF fibre optic sensor, this technology can be used even more easily and reliably.

Already during installation the OCF proves to be very convenient: two spring-loaded locating lugs allow the OCF to be mounted on a DIN rail with one hand. The fibrelock system simplifies mounting and securing of the fibre optics.

Thanks to the automatic selection of the optimal operating mode and the intelligent maintenance functions, the OCF works always reliably under all conditions and thus contributes to high performance and availability of the system.

Products

Type	Connection	Order no.
	Cable 2.0 m	**OCF500**
	M8 connector	**OCF501**
	M12 pigtail	**OCF502**

Technical data

Operating voltage	[V DC]	10…30
Output logic		PNP / NPN
Output		light-on / dark-on mode
Display		OLED display
Ambient temperature	[°C]	-25…60
Type of light		red light
Protection rating		IP 65
Number of operating modes		6
Dimensions	[mm]	12.5 x 74

Fibre optics:
The perfect choice for every application

Different sensing heads and highest transmission quality with minimum bending radii and resistance to multiple bending make the fibre optics the perfect choice for any scenario. The fibre optics also withstand the stress when used in drag chains, chemicals or high temperatures.

Fibre optics

Description	Order no.
Through-beam sensor	
High temperature range up to 290°	**E20129**
Angled, very small bending radius	**E20062**
Long ranges, small bending radius	**E20606**
Long range, very small bending radius	**E20615**
With 90° deflection for limited space	**E20714**
With very small bending radius	**E21323**
Flat design for limited space	**E21312**
With hexagonal head for easy fastening	**E21317**

Accessories

Type	Description	Order no.
	Adapter for fibre optics	**E21327**
	Mounting bracket for fibre optic sensor	**E21328**
Accessories IO-Link		
	USB IO-Link master for parameter setting and analysis of devices	**AL1060**
	IO-Link master with PROFINET interface	**AL1100**
	moneo|configure SA (Stand-alone) licence, software for online and offline parameter setting of IO-Link devices including maintenance and support until the end of the following year	**QMP010**
Connection technology		
	M12/M8 connection cable, 2 m, PUR cable, black	**EVC243**

Description	Order no.
Diffuse sensors	
High temperature range up to 290°	**E20055**
Long ranges, small bending radius	**E20051**
Resistant to aggressive chemicals	**E20511**
For short ranges, small bending radius	**E20654**
For short ranges, very small bending radius	**E20645**
With very small bending radius	**E21322**
Flat design for limited space	**E21313**
With hexagonal head for easy fastening	**E21316**

You can find the entire range of fibre optics in our online shop.

ifm – close to you!