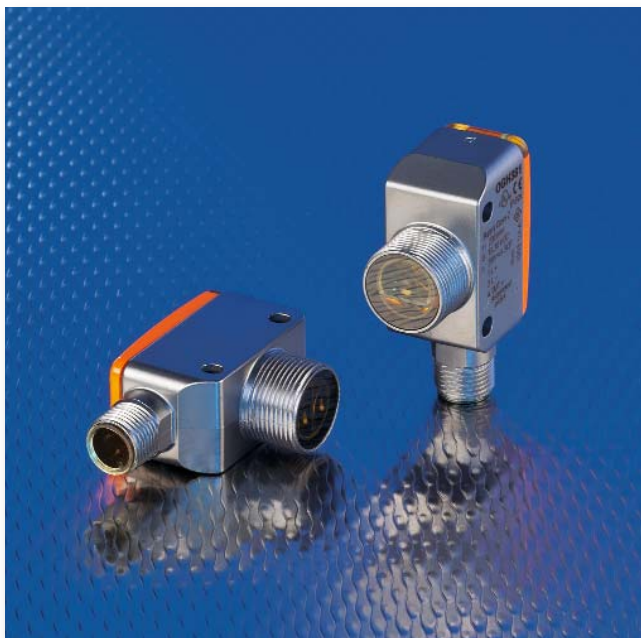




The water lover among the photoelectric M18 sensors



OG cube wetline now also for wet areas

- Selected materials, ideally suited for wet areas
- Ideal sealing concept, high protection ratings IP 65, IP 67 and IP 69K
- Fixed ranges ensure easy set-up – plug & play
- Consistent implementation of ifm's application know-how
- Wide range of mounting accessories

IP 67
IP 68
IP 69 K

Visible
red light

UL
LISTED



For the food industry

The industrially compatible M18 housing of the photoelectric sensor OG cube wetline is made of high-grade stainless steel and is therefore ideally suited for applications in the food industry, e.g. cheese plants, breweries or meat industry. The sensor has a plastic lens to prevent glass splinters from getting into the process in case of damage to the sensor.

Ideal sealing concept

The design of the sensors ensures a long life even in case of frequent wet cleaning, such as high-pressure cleaning. This has been proven in tests. The sealing concept is documented by the protection rating IP 69K.

Mounting and accessories

A visible red light source simplifies installation and maintenance. Stainless steel accessories are available to ensure quick and easy mounting.








The sensors of the OG cube wetline series have a long life span even in case of frequent high-pressure cleaning.

Applications:
Food and hygienic applications, packaging machines, conveying

Range [m]	Light spot diameter [mm]	Light-on / dark-on mode	Current consumption [mA]	Switching frequency [Hz]	Switching output	Order no.
Diffuse reflection sensor with background suppression · M12 connector · 3-wire DC						
0.1 (fixed)	7*	light-on	30	1000	PNP	OGH380
0.2 (fixed)	13*	light-on	30	1000	PNP	OGH381
0.1 (fixed)	7*	light-on	30	1000	NPN	OGH382
0.2 (fixed)	13*	light-on	30	1000	NPN	OGH383
Through-beam sensor - transmitter · M12 connector						
15	800*	–	20	–	–	OGS380
Through-beam sensor - receiver · M12 connector · 3 wires						
15	–	dark-on	20	1000	PNP	OGE380
15	–	light-on	20	1000	PNP	OGE381
15	–	dark-on	20	1000	NPN	OGE382

* at maximum range







Accessories

Type	Description	Order no.
	Clamp with fixing screw, high-grade stainless steel	E20869
	Clamp with fixing screw, high-grade stainless steel	E20870
	Clamp for mounting rod Ø 12 mm, high-grade stainless steel	E21207
	Clamp for mounting rod Ø 12 mm, high-grade stainless steel	E21206
	Mounting rod, 100 mm, Ø 12 mm, M10 thread, stainless steel	E20938
	Mounting rod, 200 mm, Ø 12 mm, M10 thread, stainless steel	E20940

Common technical data

Type OG Cube wetLine		
Type of light	red light 624 nm	
Operating voltage	[V DC]	10...30
Switching status indication	LED	yellow
Current rating	[mA]	200 (...60°C) 150 (...80°C)
Voltage drop	[V]	<2.5
Protection	IP 67 / IP 68 / IP 69K	
Protection class	III	
Ambient temperature	[°C]	-25...80
Dimensions (W x H x D)	[mm]	20 x 53 x 36
Housing materials	high-grade stainless steel (1.4542), PEI	

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT001
	Socket, M12, 4-pole, 10 m orange, PVC cable	EVT002
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT004
	Socket, M12, 4-pole, 10 m orange, PVC cable	EVT005
	Socket, M12, 4-pole, 5 m orange, PVC cable, LED	EVT007
	Socket, M12, 4-pole, 10 m orange, PVC cable, LED	EVT008