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O6 WetLine now with IO-Link!

TOP PRODUCT

Small and compact photoelectric sensors now also as IO-Link versions!

● **Stainless steel housing with protection rating IP 68 / IP 69K**

● **Diffuse reflection sensors with reliable background suppression**

● **Well-defined light spot for precise object detection, no scattered light**

● **Also available as through-beam or retro-reflective system**

● **Many functions can be set via IO-Link, e.g. range and sensitivity**

IP 67 IP 68 IP 69 K | IO-Link | High-grade stainless steel | ECOLAB certified

Best performance

The diffuse reflection sensors distinguish themselves by reliable background suppression, even in case of highly reflective backgrounds.
A special feature is the automatic switch point adjustment that guarantees reliable operation even in steam, smoke or highly reflective environments.
The WetLine series features a particularly robust stainless steel housing with protection rating IP 68 / IP 69K. The potentiometer with double sealing ensures maximum ingress resistance. The flush front lens ensures cleaning without residues.

IO-Link

The O6 WetLine sensors are now also available as versions with IO-Link. Via this interface, the user can set range, sensitivity, light-on / dark-on mode, switching delay or deactivation of the operating elements.
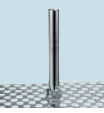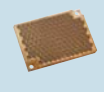
Position sensors
Infrared sensors / red light sensors

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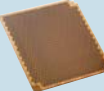
Range [mm]	Light spot diameter [mm]	Connection M8 connector	Communication interface	Current consumption [mA]	Order no.
Diffuse reflection sensor with background suppression · 3-wire DC · PNP					
2...200	8*	4-pole	IO-Link 1.1	22	**O6H309**
Diffuse reflection sensor · 3-wire DC · PNP					
5...500	15*	4-pole	IO-Link 1.1	16	**O6T309**
Retro-reflective sensor with polarisation filter · 3-wire DC · PNP					
50...5000	150**	4-pole	IO-Link 1.1	12	**O6P309**
Through-beam sensor - transmitter · 2-wire DC					
0...10000	300*	4-pole	IO-Link 1.1	11	**O6S305**
Through-beam sensor – receiver · 3-wire DC · PNP					
0...10000	–	4-pole	IO-Link 1.1	7	**O6E309**

* at maximum range
** referred to prismatic reflector Ø 80 mm
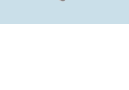
Accessories

Type	Description	Order no.
	Mounting set for clamp mounting, stainless steel, Ø 10 mm	**E21272**
	Angle bracket for free-standing mounting, stainless steel	**E21271**
	Rod, 120 mm, Ø 10 mm, M8 thread, stainless steel	**E21081**
	18 x 18 mm, Solidchem plastic	**E21267**
	56 x 38 mm, Solidchem plastic	**E21268**
	48 x 48 mm, Solidchem plastic	**E21269**
	96 x 96 mm, Solidchem plastic	**E21270**
	Memory plug, parameter memory for IO-Link sensors	**E30398**
	IO-Link interface, current consumption from USB port	**E30396**
	LINERECORDER SENSOR, software for parameter setting and set-up of IO-Link sensors	**QA0001**

Common technical data

Type of light		red light 633 nm
Operating voltage	[V DC]	10...30
Protection rating, protection class		IP 65, IP 67, IP 68, IP 69K, III
Switching frequency	[Hz]	1000
Switching status indication	LED	yellow
Operation	LED	green
Light-on / dark-on mode		adjustable
Current rating	[mA]	100
Voltage drop	[V]	< 2.5
Short-circuit protection, pulsed		•
Reverse polarity protection / overload protection		• / •
Ambient temperature	[°C]	-25...80
Materials	housing	high-grade stainless steel (316L/1.4404), PPSU
	lens	PMMA

Connection technology

Type	Description	Order no.
	M8 socket, 4-pole, 2 m orange, PVC cable	**EVT134**
	M8 socket, 4-pole, 5 m orange, PVC cable	**EVT135**
	M8 socket, 4-pole, 2 m orange, PVC cable	**EVT138**
	M8 socket, 4-pole, 5 m orange, PVC cable	**EVT139**
	Adapter cable M12 plug to M8 socket 4-pole, 0.3 m orange, PVC cable	**EVT248**

ifm – close to you!

For further technical details please visit: www.ifm.com