

## Datasheet Optical Level Switch OFS9

### PERFORMANCE FEATURES

- Optical level switch
- Compact design
- M12x1 process connection
- Electrical connection M8 3-pole or open wire
- Potted electronics, IP67
- Vibration resistant
- Function „high on air“ or „low on air“

### AREAS OF APPLICATION

- Liquid media
- Industrial water applications
- Safety shutdowns
- Hygiene applications

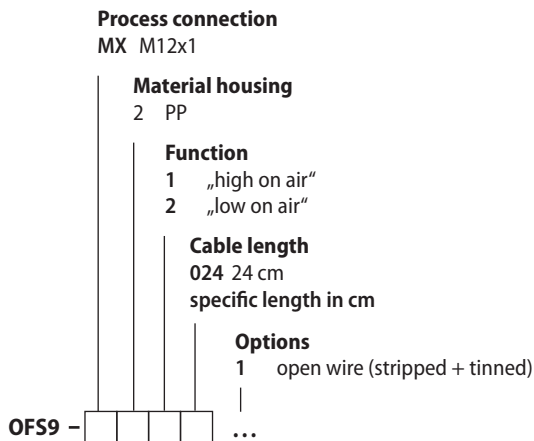
Based on short-wave infrared radiation, the OFS9 detects also non-conductive media. The housing is made of durable polypropylene and is resistant to aggressive media. By avoiding hidden edges, optimal cleaning and maintenance can be ensured. Protection class IP 67 reliably prevents the ingress of dust and water.

Feel free to contact us if you need an adjustment that is not shown in this data sheet.

## TECHNICAL DATA

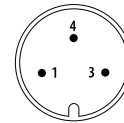
Characteristics	
Material housing	Polypropylen (PP)
Cable length	see ordering code
Process connection	M12x1
Max. tightening torque	1,5 Nm
Supply voltage	5...15 V DC
Output voltage	Output High $V_{out} = V_i - 1 \text{ V (max)}$ Output Low $V_{out} = 0,5 \text{ V (max)}$
Protection class	IP 67
Max. pressure	8 bar

## ORDERING CODE



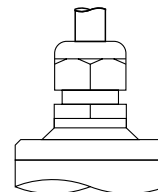
## ELECTRICAL CONNECTION

M8 connector male



PIN 1: in +  
PIN 3: in -  
PIN 4: out +  
U = 5...15 V DC

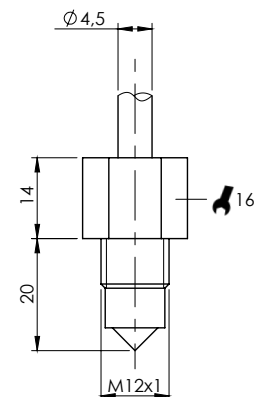
Cable connection



brown: in +  
blue: in -  
black: out +  
U = 5...15 V DC

function (see ordering code):  
1 = High on air  
2 = Low on air

## DIMENSIONS



PROCESS CONNECTION

TYPE MX