

## Type SGS-02-11-IO

basic @ level

Limit switch for the food industry

### Basic Features

- ▶ One limit switch for watery and oily media
- ▶ Two steady adjusted switch on /off treshold, free parametrizable with IO-link  
Standard: watery media
- ▶ welding sleeve-system with modular process conections
- ▶ Aseptic measuring point
- ▶ Wetting parts made of peek
- ▶ Display of the switching state via brighth TOP LED illuminated ring of PA-GF20
- ▶ Very high meauring dynamic
- ▶ Partly moulded
- ▶ EHEDG certified, FDA-conformal

### Technical Features

- ▶ High-grade steel connecting head  
Material No. 1.4404 (316L)
- ▶ Connection: M12 plug (1.4301) 4 pole for IO link
- ▶ Thread G 1/2" elastomerfree sealing system
- ▶ Sensor heads made of Peek (HPC-Tip No. 2)
- ▶ CIP-/SIP cleaning 0... + 130°C (<1h) with ambient temperature 40°C
- ▶ Supply Voltage 12...32 VDC
- ▶ Output signal PNP (standard), NPN or Push-Pull switchable/ NC, NO switchable
- ▶ Power up delay < 0,3s
- ▶ Response time 0,2s
- ▶ Ambient temperature -10...+70°C
- ▶ Medium temperature durable 0...+100°C
- ▶ Storage temperature -20...+70°C
- ▶ Working pressure 10 bar bar (Higher pressures on request)
- ▶ Protection class IP67
- ▶ Torque max. 20 Nm
- ▶ Permissible Load: 100mA

### Favoured fields of application are e.g:

The smw is a micro-processor controlled limit switch for liquids or paste-like and adhesive medias.

- ▶ Low- / high alarm in containers
- ▶ Media registration in pipes as pump protection
- ▶ Fill level detection of liquids in containers + pipes



### Approvals

EHEDG, Hygienic Peek Connect G 1/2" (HPC)

Certificate Number 21/2017

Certificate only valid in combination with an EHEDG process tip (HPC tip) and process adapter (HPC sleeve). Permissible process adapters see data sheet

"Process adaptation"

### Interface

Type of data transfer	COM2 (38,4 kBaud)
IO-Link revision	1.1
SDCI-norm	IEC 61131-9

### Notice

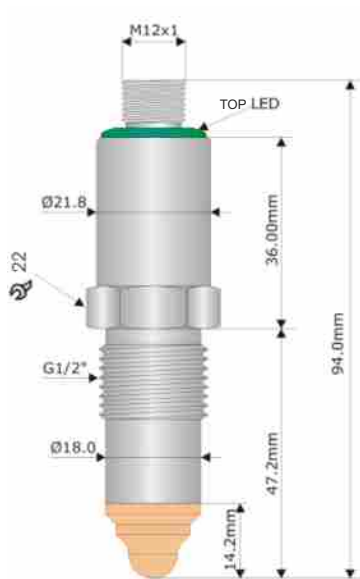
Suitable for applications with predominantly aqueous media, mild, beer, Cip - liquids. Very adhesive media can lead incorrect measurements.

Relevant welding sleeves on request.

The sealing of the sensor must have an intact electrical connection of the G1/2" thread and the container wall. Do not use any sealing strips

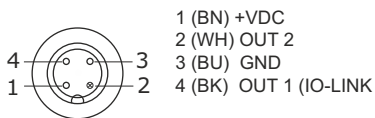
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SGS-02-11-S

**Pin Configuration**



**Installation Notes**

Torque PEEK-Tip (HPTC-Tip) with sleeve (HPC-Sleeve): 20Nm



**Example of modular process adaption**



BP 15



HP 15



TP 15

See Data sheet Process Connections



**Order code**

SGS- 02 - 11 - IO