

## Type SGF-02-11-S

basic @ level

Capacitive Phasen- /Product Guard

### Basic Features

- ▶ A product guard for watery and oily media
- ▶ Meas. Signal Output, Pulse Output
- ▶ welding sleeve-system with modular process connections
- ▶ Aseptic measuring point
- ▶ Wetting parts made of peek
- ▶ Very high measuring dynamic
- ▶ Partly moulded
- ▶ EHEDG-certified, FDA-conformal

### Technical Features

- ▶ High-grade steel connecting head  
Material No. 1.4305
- ▶ Connection: M12 plug
- ▶ Thread G 1/2" elastomerfree sealing system
- ▶ Sensor heads made of Peek (HPC-Tip No. 2)
- ▶ CIP-/SIP cleaning 0... + 150°C (30 min)
- ▶ Supply Voltage 12...32 VDC
- ▶ Output Signal PNP, NPN Push-Pull or pulse output switchable  
Attention: There is no temperature compensation! Therefore, temperature fluctuations of the medium can lead to a change in the measuring signal.
- ▶ 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 IP68 / 69K
- ▶ Torque max. 20 Nm
- ▶ Permissible Load: 100mA

### Output Description SGF02 Pulse

#### Technical Features

- A new pulse sequence is output every 200ms
- Per% measured value a pulse is generated
- For example, at 10% Meas. value 10 pulses are generated
- For example, at 90% Meas. value 90 pulses are generated
- A pulse duration is 1 ms, whereupon 1 ms without Pulse follows
- 100 pulses take 200ms accordingly



### 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"

### ATTENTION!

At lower deviation of dew points water condensation is possible, that can destroy the sensor. At stress with change of temperatures, e. G. a cold water jet on the hot sensor, it can come to absorption of fluids in to the sensor. (Requirements cf. DIN EN 60068-2-14)

The tightness classification after IP68 does not mean that these parts are suitable! for applications with lower deviation of dew point or temperature shock. (DIN 60068-2-14)

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

The SGF is a microprocessor-controlled capacitive phases and product monitor for liquids or pasty and adhesive media

- ▶ Product monitoring and phase separation in the food and pharmaceutical industry