

Type SGS-21-S

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 adjustable with software (no two units required). With an additional software key, the unit can be activated completely
- ▶ welding sleeve-system with modular process conections
- ▶ Aseptic measuring point
- ▶ Wetting parts made of peek
- ▶ partly moulded
- ▶ FDA, EHEDG-conformal

Technical Features

- ▶ High-grade steel connecting head
Material No. 1.4305
- ▶ Process Connections Mat. No. 1.4404
- ▶ Connection: M12 plug
- ▶ Thread G 1/2" elastomerfree sealing system
- ▶ CIP-/SIP cleaning 0... + 150°C (30 min)
- ▶ Supply Voltage 18...32 VDC
- ▶ Output signal active; 50 mA max. PNP
- ▶ Power up delay < 0,3s
- ▶ Response time 140 ms
- ▶ Ambient temperature -10...+60°C
- ▶ Medium temperature durable 0...+100°C
- ▶ Storage temperature -20...+70°C
- ▶ Working pressure 10 bar max.
(Higher pressures on request)
- ▶ Protection clas up to IP68

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



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)

Visualization via PC-USB interface Software incl for readout the SGS



Activation with licence-code (with costs)



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Factory Settings Basic Version

Factory Setting 1 = aqueous media
Factory Setting 2 = oily media

Custom Settings Full Version



Custom settings are only available when the full version is enabled.

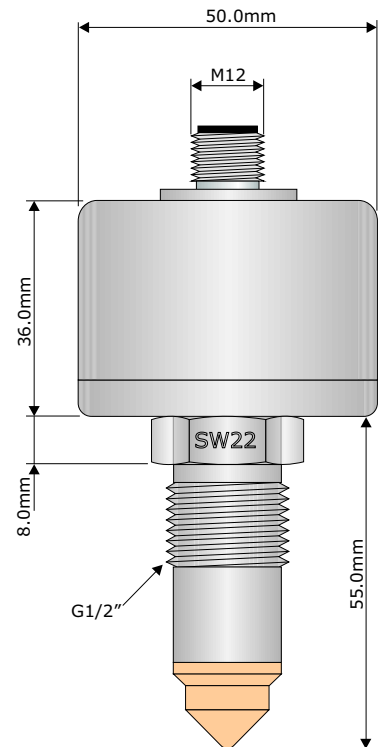
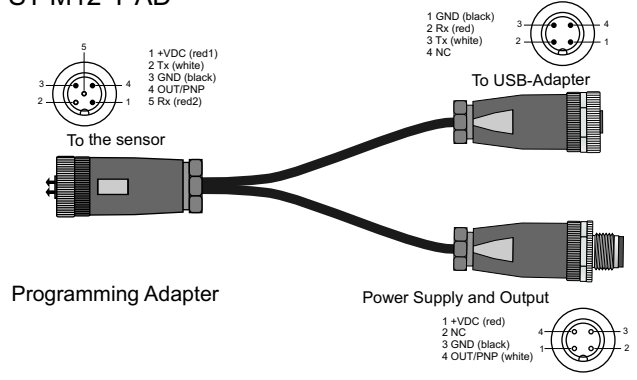
Parameterization (optional accessories)

For parameterization, both the PC USB interface SMW-PA-M12 and the programming adapter ST-M12-Y-AD is required.

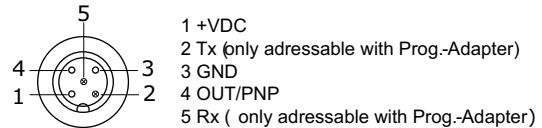
SMW-PA-M12

PC-USB-Interface incl. the Software for readout and parameterize.

ST-M12-Y-AD



Pin Configuration



Remarks

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

Order Code SGS

SGS-21-S

Factory Setting - Basic Version -

Standard for watery media

For oily media please name it in plain text

Option - Full Version -

Licence Code for free configuration via PC (Product Code required)

Accessories

PC-USB-Interface incl. Software for readout and parameterize

SMW - PA-M12

Programming Adapter (Y-Adapter M 12) to connect the SGS with the PC-USB-Interface

ST- M12-Y-AD

Further accessories you can find on our data sheet "Process Connections" **modular @ process**