



Capacitive Sensors Series 80 - PNP

Housing G1/2"

- Easy Teach by wire
- Housing material: PEEK
- SIP / CIP 121° C
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)



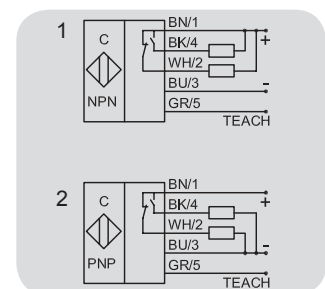
Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance S_n / min. / max. adjustable	4 mm / 0...10 mm
Electrical version	4-wire DC
Output function	Antivalent
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	KAS-80-26-A-K-G1/2"-PEEK-ETW
Art.-No.	KA 1282
Connection diagram No.	2
Operating voltage (U_B)	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I_e)	2 x 0...200 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	2 Hz
Permitted ambient temperature	-25...+70 °C / CIP 121° C (zero-current)
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection cable	2 m, PVC, 5 x 0.14 mm ²
Housing material (part in contact with the medium)	PEEK (FDA 21 CFR 177.2415)
Lid	PA
Media optimized	Yes
Accessories (not supplied with the sensor)	Varivent Adapter, Welding Socket (Please see our range of accessories)

This capacitive level sensor is EHEDG conform. It is ideal for the level control of liquids, pastes, powders and other bulk materials.

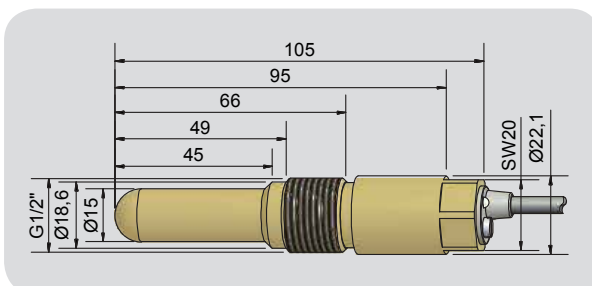
This sensor has no moving parts and is not subject to wear or tear and thus there is no down time due to false detections caused by material build-up.

Advantages:

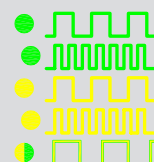
- EHEDG conform
- Measurement is independent of the mounting position
- Permitted pressure on the active area: 10 bar
- Process connection G 1/2"



* Position of the EasyTeach button sealed with sealing screw



EasyTeach chart:



LED / Output function
 Yellow = A1 Green = A2
 Adjustment "empty"
 Initializing "empty"
 Adjustment "full"
 Initializing "full"
 Test

Made in Germany

All specifications are subject to change without notice. (25.02.2015)

Capacitive Level Sensor of 26 Series EHEDG conform:

This capacitive level sensor is designed for the level control of bulk materials and liquids.

The housing material is PEEK with a surface quality Ra of 0.8 µm. PEEK is mechanically very robust, has an excellent chemical resistance and is allowed to be in contact with food.

Mounting and initial operation is very easy.

The user mounts the sensor, makes the electrical connection, fills the container with the material to be detected until the active area of the sensor is covered and then adjusts the sensitivity of the sensor by means of the teach wire. This means that with the material detected the yellow LED is on.

And the sensor is ready for use.

The capacitive sensor has no moving parts and is therefore not subject to wear or tear. It is ideal for applications where traditionally Rotary Switches, Vibrating Forks or Mechanical Switches are being used.

The advantages are obvious: easy installation, reliable level control and at the same time solving the well-known issues of mechanical systems being used today. No more down time due to false detections caused by material build-up, such as sticking between vibrating forks or around rotary switches, etc.

The sensor has a G 1/2 inch process connection which can be used with a large range of accessories like welding brackets or „Varivent N DN 50“ flanges that are offered by Rechner.

Rechner sensors is your specialist for level control!

