



Capacitive Sensors - S26 - ATEX Series 80 - PNP

- Process connection: G 1/2"
- Housing material: PEEK
 - Easy Teach by wire
 - EHEDG conform

With manufacturer certificate

for use in zone 2

for use in zone 22

Ex II 3G Ex nA IIC T6 Gc X

Ex II 3D Ex mc IIIC T101°C Dc IP67 X



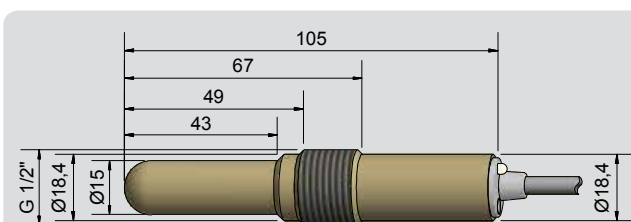
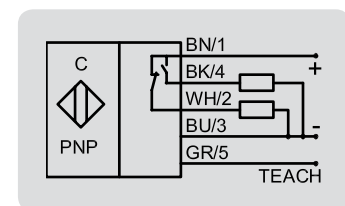
Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance min. / max. adjustable	0...10 mm
Electrical version	4-wire DC
Output function	Antivalent
Type PNP	KAS-80-26/105-A-G1/2-PEEK-Z05-ETW-HP-3G-3D
Art.-No.	KA 1460
Operating voltage (U _B)	10...35 V DC
Voltage drop max. (U _g)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I _e)	2 x 0...150 mA
No-load current (I _o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C / CIP 121° C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	5 m, PVC, 5 x 0.14 mm ²
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)
Lid	PA / PPO
Media optimized	Yes
Accessories (not delivered with the sensor): Varivent Adapter (#196395), Welding Socket (#196394) please see our selection of accessories.	

Capacitive Sensors S26 with hemispherical active surface for level control of products with a dielectric constant ϵ_r from 1, 1. Products can be:

- Bulk material, like plastic granules, powder, cereals, etc.
- Liquids, like water, juice, wine, oil, chemicals or pharmaceutical solutions and much more.
- Pastes in the food, pharmaceutical and cosmetics industry

Advantages:

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



EasyTeach chart*: LED LED / Output function

- Yellow = A1 Green = A2
- [Green pulse] Adjustment "empty"
 - [Green pulse] Initializing "empty"
 - [Yellow pulse] Adjustment "full"
 - [Yellow pulse] Initializing "full"
 - [Green pulse] Test

Made in Germany

Capacitive Level Sensor of 26 Series

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 potentiometer. This means that with the material detected the yellow LED is on.

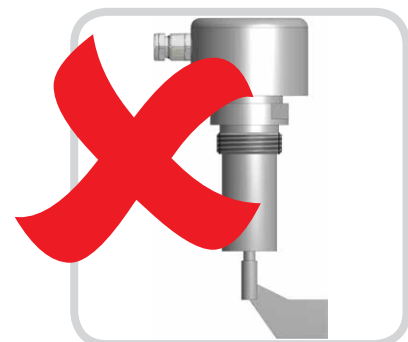
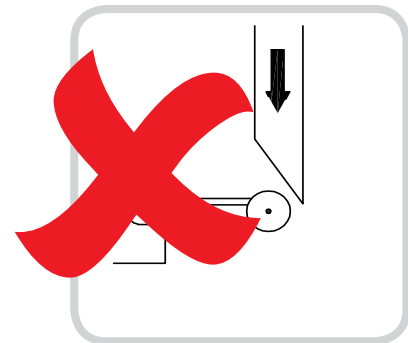
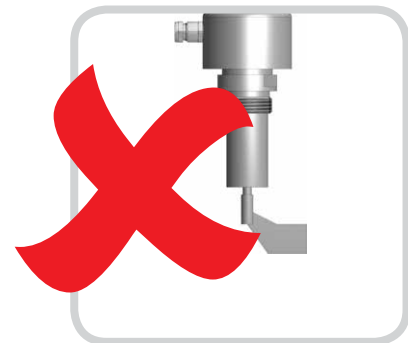
And the sensor is ready for use.

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!



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All specifications are subject to change without notice. (27.01.2020)