



## Capacitive Sensors S26

Series 70 - NPN - StEx - ATEX

Series 80 - PNP - StEx - ATEX

Type of construction Triclamp DN 25

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Housing material: PTFE

DMT 01 ATEX E 157	IECEx BVS 07.0015
Ex II 2 G Ex mb IIC T4 Gb	Ex mb IIC T4 Gb
Ex II 1/2 D Ex ta/tb IIIC T101°C Da/Db	Ex ta/tb IIIC T101°C Da/Db



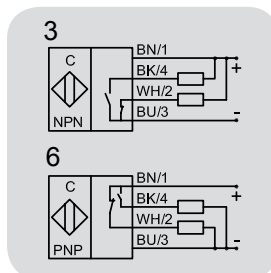
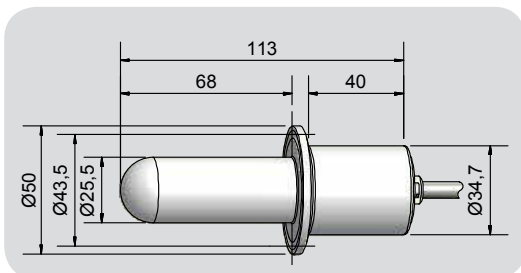
Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance min. / max. adjustable	0...20 mm
Electrical version	4-wire DC
Output function	Antivalent
<b>Type NPN</b>	<b>KAS-70-26-A-K-Tri-PTFE-StEx</b>
<b>Art.-No.</b>	<b>KA 1183</b>
Connection diagram No.	3
<b>Type PNP</b>	<b>KAS-80-26-A-K-Tri-PTFE-StEx</b>
<b>Art.-No.</b>	<b>KA 0421</b>
Connection diagram No.	6
Operating voltage (U <sub>B</sub> )	10...30 V DC
Voltage drop max. (U <sub>v</sub> )	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I <sub>o</sub> )	2 x 0...150 mA
No-load current (I <sub>o</sub> )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+90 °C
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, 4 x 0.5 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Media optimized	Yes

Capacitive Sensors S26 with hemispherical active surface for level control of products with a dielectric constant  $\epsilon_r$  as of 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 processing industry, liquid glue, resins or glue, etc.

**Accessories** (not delivered with the sensor): Stainless steel welding nipple DN 25 # 190751, Sealing gasket # 190752, Triclamp mounting clamp # 190750 please see our selection of accessories.

\* With sealed potentiometer screw



Made in Germany

All specifications are subject to change without notice. (02/2017)