

Capacitive sensors

Series 80 - PNP - StEx - ATEX

Housing G 1"

- 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
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)

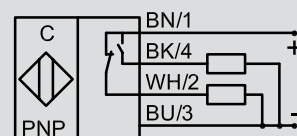
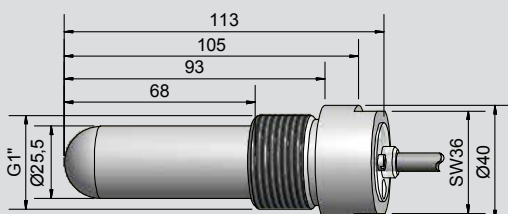
DMT 01 ATEX E 157	IECEx BVS 07.0015
 II 2 G Ex mb IIC T4 Gb	Ex mb IIC T4 Gb
 II 1/2 D Ex ta/tb IIIC T101°C Da/Db	Ex ta/tb IIIC T101°C Da/Db



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
Type PNP current	KAS-80-26/113-A-G1-PTFE-Z05-1-HP-2G-1/2D
Type PNP	KAS-80-26-A-K-G1“-PTFE-StEx
Art.-No.	KA 0837
Operating voltage (U_B)	10...30 V DC
Voltage drop max. (U_d)	≤ 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...+90 °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, 4 x 0.5 mm ²
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
Accessories (not delivered with the sensor): For varivent adapter, triclamp adapter, welding socket and matching connectors please see our selection of accessories.	

Capacitive Sensors S26 with hemispherical active surface for level control of products with a dielectric constant ϵ_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, or resins, etc.



* With sealed potentiometer screw

Made in Germany