



Capacitive Sensors Series 80 - PNP - StEx - ATEX

Capacitive Sensors of the 26 series with hemispherical active surface for level control of products with a permittivity 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.
- Type of construction Ø 26 mm / G 1" / 40 mm
- For use in areas with the risk of dust explosion, zone 20
- With flange connector M 12 x 1

DMT 01 ATEX E 157

IECEX BVS 07.0015

Ex II 1/2 D Ex ta/tb IIIC T101°C Da/Db

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Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance S_n / min. / max. adjustable	5 mm / 0...20 mm
Electrical version	4-pin DC
Output function	Antivalent
Type PNP	KAS-80-26-A-K-G1"-200-PTFE-Y5-StEx
Art.-No.	KA 0981
Connection diagram No.	6
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	-20...+90 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1
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
Accessory (supplied with the sensor)	Protective clip
Accessory (not supplied with the sensor): For varivent adapter, triclamp adapter, welding socket, matching connectors and sealing sets please see our selection of accessories.	

*With sealed potentiometer screw

