



## Capacitive sensors

### Series 80 - PNP - StEx - ATEX



Housing Ø 26 mm / 1" / 40 mm

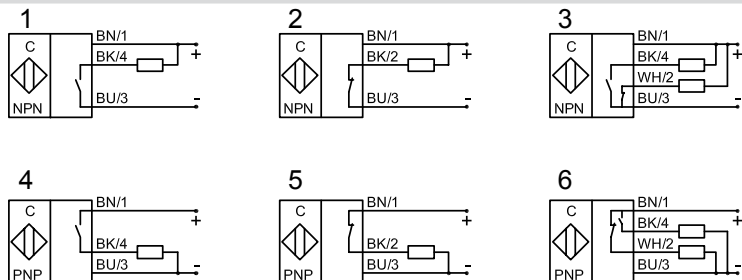
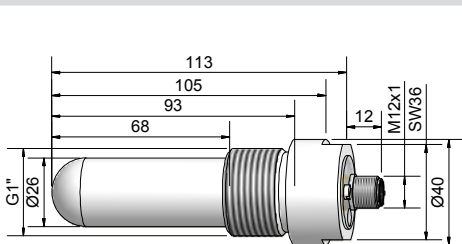
- For use in areas with the risk of dust explosion, zone 20
- Housing material PTFE
- Sensing distance 0...20 mm adjustable
- Suitable for food and pharmaceutical applications
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)
- With flange connector m 12 x 1



DMT 01 ATEX E 157	IECEX BVS 07.0015
II 1/2D Ex tD A20/21 IP67 T101°C	Ex tD A20/21 IP 67 T101°C



<b>Technical data</b>	Non-flush mountable
Operating distance $S_n$	5 mm
Operating distance min. / max. adjustable	0...20 mm
Electrical version	4-pin DC
Output function	Antivalent (NO + NC)
<b>Type NPN</b>	
<b>Art.-No.</b>	
Connection diagram No.	
<b>Type PNP</b>	<b>KAS-80-26-A-PTFE-1"-Y5-StEx-N</b>
<b>Art.-No.</b>	<b>KA 0655</b>
Connection diagram No.	6
Operating voltage ( $U_b$ )	10...30 V DC
Output current max. ( $I_o$ )	2 x 150 mA
Voltage drop max. ( $U_o$ )	≤ 2.0 V
Permitted residual ripple max.	10 %
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



**Made in Germany**

All specifications are subject to change without notice. (04/2012)