



Capacitive Sensors

Series 80 - PNP - StEx - ATEX



Housing $\varnothing = 26 \text{ mm} / 1'' / 40 \text{ mm}$

- 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
- Suitable for foods and pharmaceutical application
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)

Certificate:



Quattro^{EX}Protect™

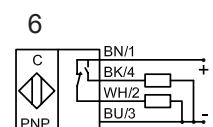
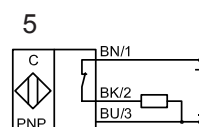
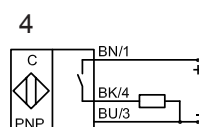
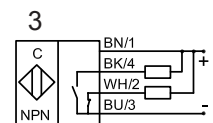
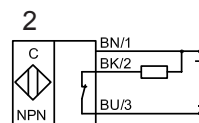
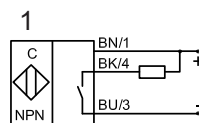
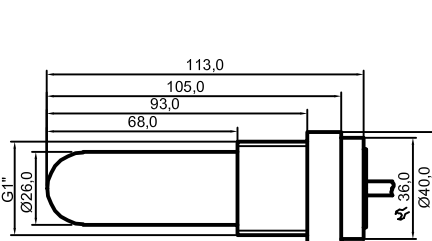
DMT 01 ATEX E 157	IECEX BVS 07.0015
II 2 G EEx m II T4	Ex mb II T4
II 1/2 D IP67 T101°C	Ex tD A20/21 IP 67 T101°C



Technical data

Non-flush mountable

Operating distance S_n	5 mm
Operating distance min. / max. adjustable	0...20 mm
Electrical version	4-wire DC
Output function	Antivalent (NO + NC)
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	
KAS-80-26-A-PTFE-1''-StEx-N	
Art.-No.	
KA 0837	
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_d)	$\leq 2.0 \text{ V}$
Permitted residual ripple max.	10%
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+90 °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



Made in Germany

All specifications are subject to change without notice. (24.03.2010)