



Capacitive Sensors

Series 80 - PNP - StEx - ATEX

Housing Tri-Clamp

- 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: Stainless steel VA No. 1.4404
- Sensing distance 3...30 mm adjustable
- Ideal for use in food applications

Certifications:

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



Technical data

Non-flush mountable

Operating distance S_n	20 mm
Operating distance min. / max. adjustable	3...30 mm
Electrical version	4-wire DC
Output function	Antivalent (NO + NC)

Type NPN

Art.-No.

Connection diagram No.

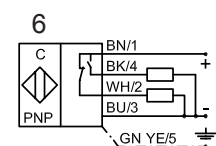
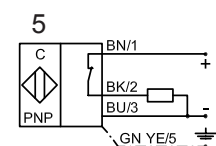
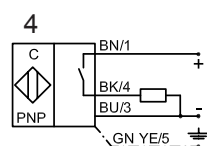
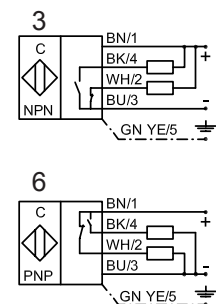
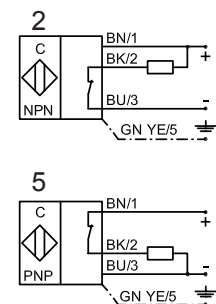
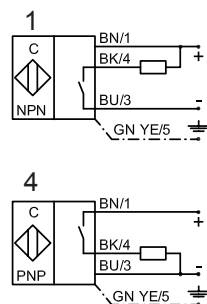
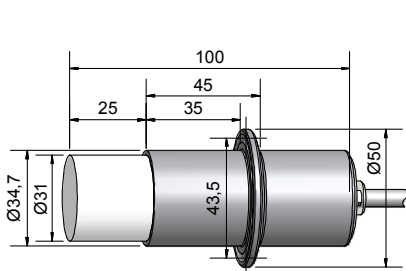
Type PNP

KAS-80-34-35/100-A-PTFE/VA-StEx-N

Art.-No.

KA 0377

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)	≤ 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 cable	3 m, PVC, 4 x 0.34 mm ²
Housing material	VA No. 1.4404
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



Made in Germany

All specifications are subject to change without notice. (07/2011)