



Capacitive Sensors

Series 70 - NPN - StEx- ATEX Series 80 - PNP - StEx - ATEX

Housing M 32 x 1.5

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Sensing distance 3...30 mm adjustable

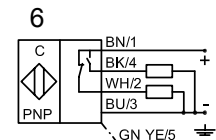
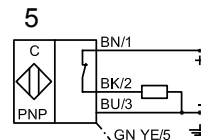
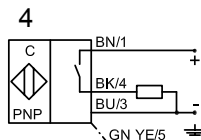
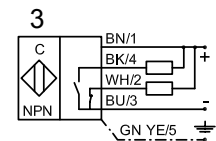
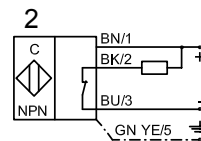
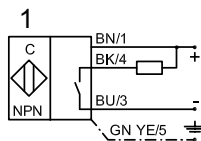
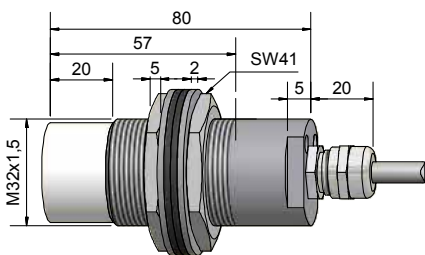
DMT 01 ATEX E 157	IECEX BVS 07.0015
II 2 G Ex mb IIC T4 Gb	Ex mb IIC T4 Gb
II 1/2 D Ex ta/tb IIIC T101°C Da/Db	Ex ta/tb IIIC T101°C Da/Db



Quattro^{Exc}Protect™

Technical data	Non-flush mountable	Non-flush mountable
Operating distance S_n	20 mm	20 mm
Operating distance min./max. adjustable	3...30 mm	3...30 mm
Electrical version	3-wire DC	4-wire DC
Output function	Normally open	Antivalent
Type NPN	KAS-70-35-S-M32-StEx	KAS-70-35-A-M32-StEx
Art.-No.	KA 0090	KA 0089
Connection diagram No.	1	3
Type PNP	KAS-80-35-S-M32-StEx	KAS-80-35-A-M32-StEx
Art.-No.	KA 0087	KA 0086
Connection diagram No.	4	6
Operating voltage (U_b)	10...30 V DC	10...30 V DC
Output current max. (I_o)	150 mA	2 x 150 mA
Voltage drop max. (U_o)	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
No-load current (I_o)	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	50 Hz	50 Hz
Permitted ambient temperature	-20...+90 °C	-20...+90 °C
LED-display	Yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67*	IP 67*
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	3 m PVC, 4 x 0.75 mm ²	3 m, PVC, 5 x 0.34 mm ²
Housing material	VA No. 1.4305	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	VA No. 1.4305	VA No. 1.4305
Media optimized	Yes	
Accessories (is delivered with the unit)	2 pieces nuts M 32, 2 pieces grommets, 2 pieces o-rings	

* With sealed potentiometer screw



Made in Germany

All specifications are subject to change without notice. (06/2014)