



Capacitive Sensors 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
- Housing material: PTFE
- 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

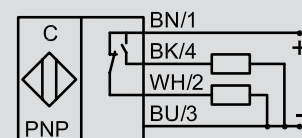
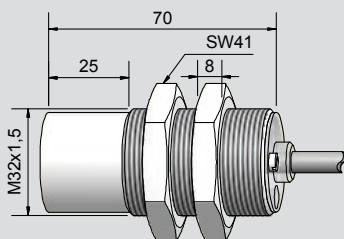
II 1/2 D Ex ta/tb IIIC T101°C Da/Db

Ex ta/tb IIIC T101°C Da/Db



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
Type PNP current	KAS-80-35-A-M32-PTFE-Z03-1-2G-1/2D
Type PNP	KAS-80-35-A-K-M32-PTFE-StEx
Art.-No.	KA 0093
Operating voltage (U_B)	10...30 V DC
Voltage drop max. (U_D)	≤ 2.0 V
Permitted residual ripple max.	5 %
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...+70 °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 0.5 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
Accessories (delivered with the sensor)	2 nuts M 32 x 1.5

All specifications are subject to change without notice. (15.07.2020)



* With sealed potentiometer screw

Made in Germany