



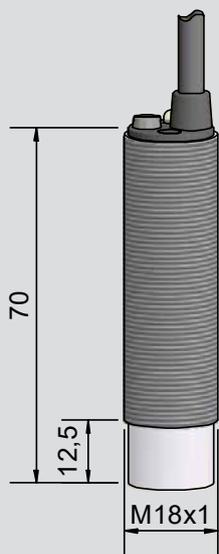
## Capacitive Sensors

Series 80 - PNP

Article number: KA1688

Description: KAS-80-A23-A-M18-PTFE-FG-Z02-1-HP

- Capacitive sensor for level and position control
- Housing material: PTFE (FDA compliant and EC 1935/2004 compliant)
- Ideal for detection of chemically aggressive media
- Suitable for food and pharmaceutical applications



### Technical data

Mounting	Non-flush mountable
Operating distance $S_n$	8 mm
Operating distance min. / max. adjustable	0.5...15 mm
Output function	PNP, antivalent
Operating voltage ( $U_B$ )	10...35 V DC
Output current max. ( $I_o$ )	2 x 250 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	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2
Connection	Cable, 2 m, PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550), according to (EC) No. 1935/2004
Lid	PA
Housing size / Process connection	M 18 x 1
Media optimized	Yes
Quattro Protect	Yes
MTTF (average operating time until failure)	537.62 years
Documents (not included in delivery)	Declaration of Conformity (EC) No. 1935/2004, # 100035

Made in Germany

