



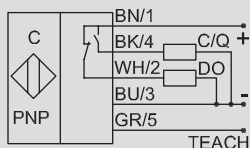
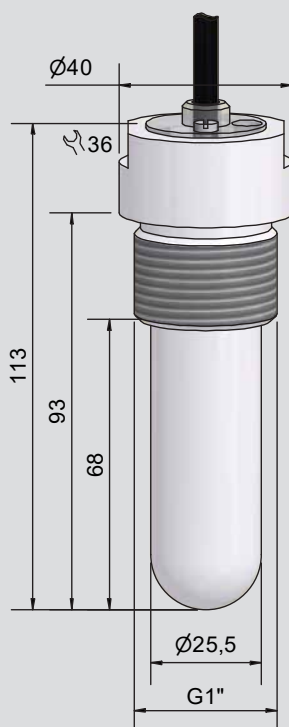
## Capacitive sensors

Series 80 - PNP - ATEX - IO-LINK

Article number KA1724

Description KAS-80-26/113-A-G1-PTFE-IOL-Y10C-ETW-HP-3G-3D

- Capacitive sensor for level and position control
- For use in areas with the risk of dust explosion, zone 22
- For use in areas with the risk of gas explosion, zone 2
- Housing material: PTFE (FDA compliant)
- Ideal for detection of chemically aggressive media
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)
- ETW = Sensitivity adjustment is done by connecting a wire



### IO-LINK - INTERFACE

Device ID: 2d/000002h  
 Vendor ID: 1129d/0469h  
 Baudrate: COM 3 (230.4 kbaud)  
 Revision: 1.1  
 Profil: Smart Sensor  
 SIO mode: Yes  
 Port Class: A

### Technical data

Mounting	Non-flush mountable
Operating distance $S_n$	Product-contacting / medium-dependent adjustable
Operating distance min. / max. adjustable	0...20 mm
Sensitivity adjustment	ETW
Output function	PNP, Antivalent
Operating voltage ( $U_b$ )	10...30 V DC
Voltage drop max. ( $U_d$ )	≤ 2.0 V
Permitted residual ripple max.	10 %
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, CIP / SIP 121°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, 5 x 0.34 mm <sup>2</sup> with coupling plug M12 x 1
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	G 1"
Media optimized	Yes
Quattro Protect	Yes
UL/CSA certificate	Yes
ATEX certificate	With manufacturer certificate
ATEX Product marking Gas	Ex II 3G Ex nA IIC T6 Gc X
ATEX Product marking Dust	Ex II 3D Ex mc IIIC T101°C Dc IP67 X
	Made in Germany

All specifications are subject to change without notice. (31.01.2023)