



## Capacitive Sensor Series 80 - PNP

Housing M 32 x 1.5

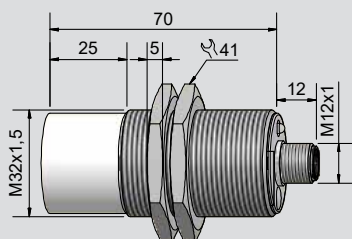
- Capacitive sensor for level and position control
- Housing material: Stainless steel VA No. 1.4305 (AISI 303)
- Sensing distance 1...40 mm adjustable
- With flange connector M 12 x 1
- Operating distance adjustable with EasyTeach by Wire
- Optical guidance during the teach process with the aid of a 2-colour LED

With manufacturer certificate  
for use in zone 22  
II 3D Ex mc IIIC T101°C Dc IP67 X



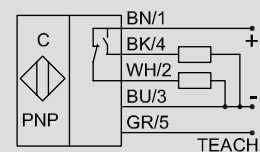
<b>Technical data</b>	Non-flush mountable
Operating distance $S_n$	25 mm
Operating distance min. / max. adjustable	1...40 mm
Electrical version	4-pin DC
Output function	Antivalent
<b>Type PNP</b>	<b>KAS-80-35-A-M32-PTFE/VAb-Y10-ETW-HP-3D</b>
<b>Art.-No.</b>	<b>KA 1166</b>
Operating voltage ( $U_B$ )	10...35 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	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	Stainless steel VA No. 1.4305 (AISI 303)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA
Media optimized	Yes
<b>Accessories</b> (is delivered with the sensor)	2 nuts M 32 x 1.5
For matching connectors please see our selection of accessories.	

All specifications are subject to change without notice. (29.11.2021)



**EasyTeach chart:** LED / Output function  
Yellow = A1 Green = A2

- Adjustment "empty"
- Initializing "empty"
- Adjustment "full"
- Initializing "full"
- Factory reset
- Test



\* With sealed potentiometer screw

**Made in Germany**