



SMART PADDLE™

Capacitive Sensors
Series 70 - NPN - Series 80 - PNP

Housing G1/2"

- Housing material: LCP
- SIP / CIP 121° C
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)
- Leakage control
- Overfill prevention



Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Sensitivity	Typ. ϵ_r 2...80
Electrical version	4-wire DC
Output function	Antivalent
Type NPN	KAS-70-P50-A-G1/2-LCP-Z02-1-HP
Art.-No.	KA 1322
Connection diagram No.	1
Type PNP	KAS-80-P50-A-G1/2-LCP-Z02-1-HP
Art.-No.	KA 1237
Connection diagram No.	2
Operating voltage (U_B)	10...35 V DC
Output current max.	2 x 0...200 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.	2 Hz
Permitted ambient temperature	-25...+70 °C / CIP 121° C (zero-current)
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection cable	2 m, PVC, 4 x 0.34 mm ²
Housing material	LCP (FDA 21 CFR 176.170(c))
Active surface	LCP (FDA 21 CFR 176.170(c))
Lid	PA
Media optimized	Yes
Accessory: Varivent Adapter, Welding Socket (Please see our range of accessories, not supplied with the sensor).	

This capacitive level sensor is pre-adjusted for the detection of bulk materials or liquids with a dielectric constant ϵ_r of 2 to 80.

This fully electronic Paddle Sensor has no moving parts and is not subject to wear or tear and thus there is no down time due to false detections caused by material build-up.

Advantages SMART PADDLE:

- Sensitivity is pre-adjusted
- Measurement is independent of the mounting position
- Permitted pressure on the active area: 10 bar
- Process connection G 1/2"

* With sealed potentiometer screw

