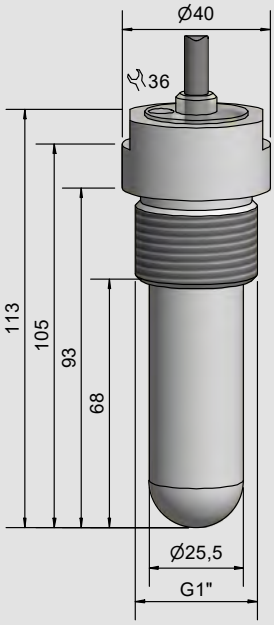


Capacitive sensors
Series 80 - PNP
Article number: KA1753
Description: KAS-80-26/113-P3-G1-PTFE-Z02-ET-BS-HP

- Capacitive sensor ideal for level control of products in the food, pharmaceutical, and cosmetics industries like: Bulk material, like plastic granules, powder, etc. as well as liquids or pasty materials, like oil, water, ketchup, pastes, that tend to adhere to surfaces and may be electrically conductive, as well as plastic granules, powders, and grain.
- Bluetooth funcions (details see below)
- Housing material: PTFE (FDA 21 CFR 177.1550)
- ETW = Adjustment is made by connecting the teach line to U_B
- Special housing with a stop shoulder to accommodate a seal



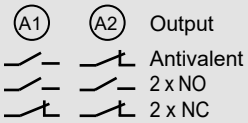
Technische Daten

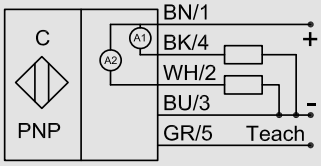
Mounting	Non-flush mountable
Operating distance (S_n)	Adjustable depending on the medium
Operating distance min. / max. adjustable	0...20 mm
Sensitivity adjustment	EasyTeach and Bluetooth possible
Output function	PNP, antivalent / 2 normally closed / 2 normally open switchable*
Operating voltage (U_B)	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I_e)	2 x 0...250 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	2 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow / blue
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, 5 x 0.5 mm²
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“
Quattro-Protect	Yes
Media-optimized	Yes
	Made in Germany

*Factory setting: complementary (antivalent) operation. Refer to the operating instructions for further EasyTeach settings.

Apple, the Apple logo, and App Store are trademarks of Apple Inc.

Google Play is a trademark of Google LLC.





Bluetooth-Functions:

Sensor sensitivity display
Password-protected sensor configuration
- Remote EasyTeach
- Individual switch point adjustment
- Output function selection

Data logging

All specifications are subject to change without notice. (20.11.2026)