Capacitive Sensors - S26
Series 80 - PNP

Type of construction G 1"
- Housing material: PTFE
- With flange connector M 12 x 1
- Output function (Antivalent / 2 x normally open / 2 x normally closed) selectable with EasyTeach by Wire
- Operating distance adjustable with EasyTeach by Wire
- Optical guidance during the teach process with the aid of a 2-colour LED

CE RoHS Compliant ETL Intertek HP High Performance ETW EasyTeach PTFE For Food High chemical resistance CIP VIP

Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance min. / max. adjustable	0...20 mm
Electrical version	4 - pin DC
Output function*	Antivalent
Type PNP	KAS-80-26/113-P3-G1-PTFE-Y10-ETW-HP
Art.-No.	KA 1641
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	25 Hz
Permitted ambient temperature	-25...+70 °C / CIP 121 °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	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Media optimized	Yes

Accessories (not delivered with the sensor): For varivent adapter (#196377), triclamp adapter (DN25 / DN32 / DN40 #196356, DN50 #196357), welding socket (#196355)

Matching connectors (not delivered with the sensor)	#193330

Capacitive Sensors S26 with hemispherical active surface for level control of products with a dielectric constant ε_r from 1,1. Products can be:

- Bulk material, like plastic granules, powder, cereals, etc.

- Liquids, like water, juice, wine, oil, chemicals or pharmaceutical solutions and much more.

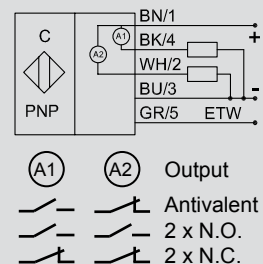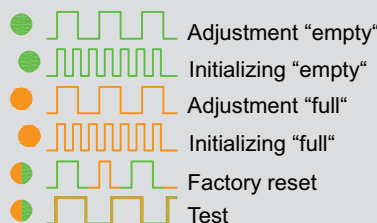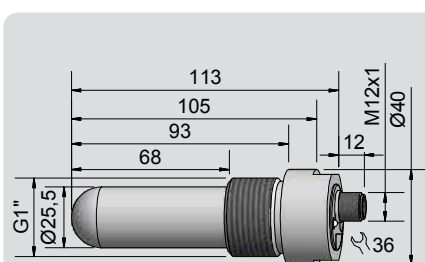- Pastes in the food, pharmaceutical and cosmetics industry

Highlights:

The sensor has three different output modes:
- Antivalent (factory setting)
- 2 x Normally open
- 2 x Normally closed

With the normally closed and normally open versions, two switching points can be set independently of each other.

● 🟩	Adjustment "empty"
● 🟩	Initializing "empty"
🟠	Adjustment "full"
🟠	Initializing "full"
🟠🟩	Factory reset
🟠	Test

C PNP

BN/1 +
BK/4
WH/2
BU/3
GR/5 ETW

A1 A2 Output
Antivalent
2 x N.O.
2 x N.C.

Dimensions: 113 / 105 / 93 / 68 / M12x1 / Ø40 / 12 / G1" / Ø25,5 / 36

*Factory setting: Antivalent. Further EasyTeach settings can be found in the operating instructions.

Made in Germany