



LevelMaster - Capacitive Sensors- StEx - ATEX

Model G 1/2"

For level control of liquids, bulk material or pastes Ideal for level control in the Food Industry or Pharmaceutical Industry

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Housing material: Stainless steel VA No. 1.4305 (AISI 303)
- Welding sockets and Varivent adapter available for EHEDG conform mounting.

DMT 01 ATEX E 157	IECEx BVS 07.0015
Ex II 2 G Ex mb IIC T4 Gb	Ex mb IIC T4 Gb
Ex II 1/2 D Ex ta/tb IIIC T101°C Da/Db	Ex ta/tb IIIC T101°C Da/Db



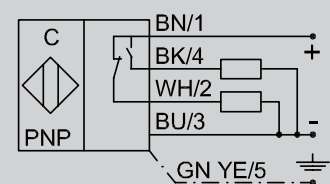
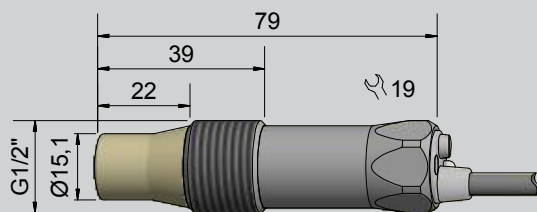
Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance min. / max. adjustable	0.5...15 mm
Electrical version	4-wire DC
Output function	Antivalent
Type PNP current	KAS-80-A23-A-G1/2-PEEK/VAb-Z03-1-2G-1/2D
Type PNP	KAS-80-A23-A-StEx
Art.-No.	KA 2000
Operating voltage (U _B)	10...30 V DC
Voltage drop max. (U _o)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I _o)	0...150 mA
No-load current (I _o)	Typ. 15 mA
Frequency of operating cycles max.	50 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 cable	3 m, PVC, 5 x 0.14 mm ²
Housing material	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PEEK (FDA 21 CFR 177.2415)
Lid	PC (FDA 21 CFR 177.1580)
Media optimized)	Yes
Accessories (not delivered with the sensor): Varivent Adapter art. no. 196395, Welding Socket art. no. 196394	

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

- Bulk materials, such as grain, sugar, granulates.
- Liquids, oil, chemicals or pharmaceutical solutions and much more.

Highlights:

- EHEDG conform
- Measurement is independent of the mounting position



Made in Germany

* With sealed potentiometer screw