



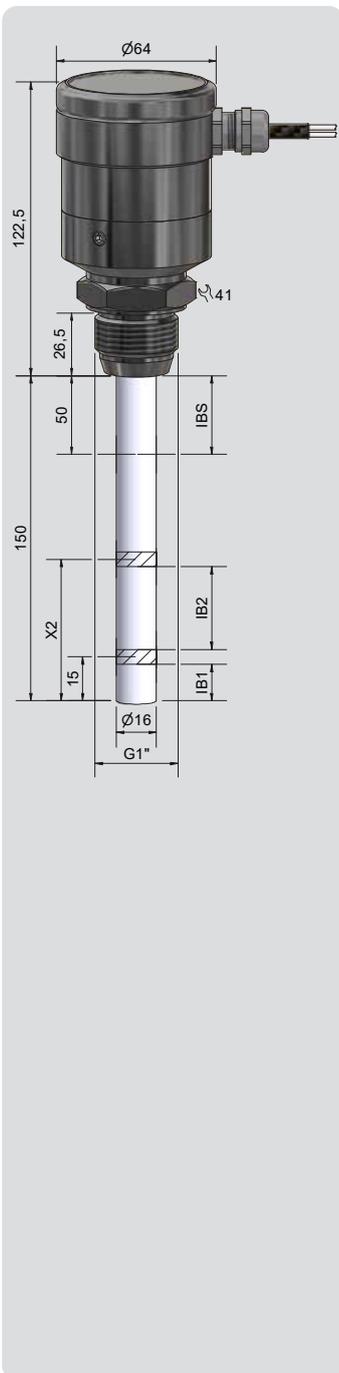
## Capacitive level probe

Series KFS

Article number: KF0193

Description: KFS-52-15-150-15/X2-PTFE/VAc-D16-PHG1-X05-Y75-2G-1/2D

- Level probe with 2 limit value switching points
- For connection to the capacitive amplifier KFS-5...Y70
- Connection head and process connection made of stainless steel VA No. 1.4404 - AISI 316L
- Housing material (active zone): PTFE (FDA 21 CFR 177.1550), Ø 16 mm
- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Probe length: 150 mm



### Technical data

Position of switching points	15 / X2 mm, related to the probe tip (Please specify position for X2 when ordering)
Probe length	150 mm
Degree of protection IEC 60529	IP 67
Connection to evaluator	FEP-cable, 5 m, coaxial with connector Y75
Norm	EN 60947-5-2, where applicable
Housing material active zone	PTFE (FDA 21 CFR 177.1550)
Housing material	Edelstahl No. 1.4404 / AISI 316L
Housing	D16
Process connection / thread	G 1"
Torque	180 Nm
Pressure	2 bar
ATEX certificate	BVS 05 ATEX E 185
ATEX product marking gas	Ex II 2G Ex mb IIC T1...T6* Gb *see manual
ATEX product marking dust	Ex II 1/2D Ex ta/tb IIIC T* Da/Db *see manual
IECEx certificate	IECEx BVS 07.0032
IECEx product marking gas	Ex mb IIC T1...T6* Gb *see manual
IECEx product marking dust	Ex ta/tb IIIC T* Da/Db *see manual
MTTF (average operating time until failure)	On demand

### Thermal data

Permitted ambient temperature areas with the risk of gas explosion:

Temperature class	Connection head	Measuring electrode
T6	-20...+65 °C	-20...+85 °C
T5	-20...+80 °C	-20...+100 °C
T4	-20...+100 °C	-20...+135 °C
T3-T1	-20...+100 °C	-20...+160 °C

Permitted ambient temperature in areas with the risk of dust explosion:

Max. surface temperature (EPL Db)	Max. surface temperature T <sub>200</sub> (EPL Da)	Connection head	Measuring electrode
T110 °C	T165 °C	-20...+90 °C	-20...+160 °C

Made in Germany

All specifications are subject to change without notice. (21.06.2024)