Емкостные системы измерения уровня KFS-5-StEx, KFX-5-StEx

Технические характеристики

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Capacitive Filling Level Probe - KFS - ATEX

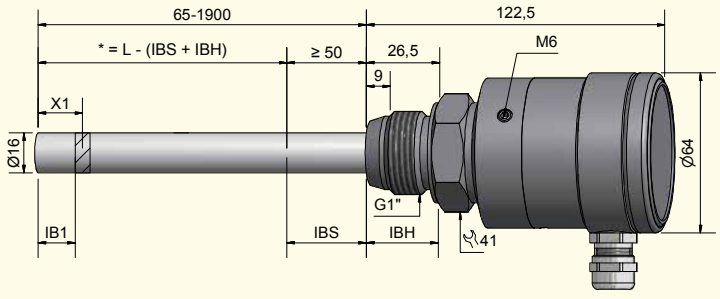
1 Limit value switching point

- For connection to the capacitive amplifier KFA-5-...
- 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 (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1”
- Probe length max. 1900 mm

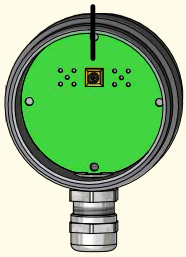
BVS 05 ATEX E 185	IECEx BVS 07.0032
II 2G Ex mb II T4	Ex mb II T4
II 1/2 D IP 67 T 110°C	Ex tD A20/21 IP 67 T 110°C

Technical data	
Active zone	10...25 mm, related to the probe tip
Type	**KFS-5-1-“L“-15-PTFE/VA-1”-StEx**
Permitted ambient temperature	-20...+100 °C
Permitted ambient temperature (active zone)	-20...+100 °C
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection to the evaluation unit KFA-5-...	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316 L (FDA conform)
Housing material (active zone)	PTFE (FDA 21 CFR 177.1550)
Accessories:	
For evaluation unit KFA-5-...-Y50:	Plug connection Y75 / Y55, 2 m cable length, # 66101213, is not delivered with the probe
For evaluation unit KFA-5-...-Y70:	Plug connection Y75 / Y75, 2 m cable length, # 66101203, is not delivered with the probe
For matching accessories please see our selection of accessories.	

* The degree of protection may be increased by means of special measures at mounting (e. g. injection of silicone mixture).



Connection socket within connection head



Please determine the total length „L“ when ordering.

Capacitive Filling Level Probe - KFS - ATEX

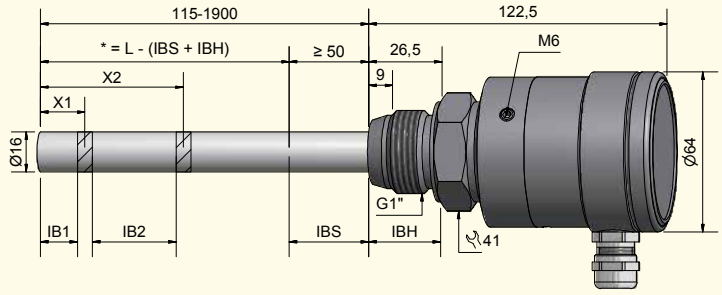
2 Limit value switching points

- For connection to the capacitive amplifier KFA-5-...
- 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 (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1”
- Probe length max. 1900 mm

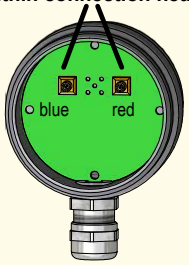
BVS 05 ATEX E 185	IECEx BVS 07.0032
II 2G Ex mb II T4	Ex mb II T4
II 1/2 D IP 67 T 110°C	Ex tD A20/21 IP 67 T 110°C

Technical data	
Active zone	10...25 mm, related to the probe tip + 1 x type specific X2
Type	**KFS-5-2-“L“-15/X2-PTFE/VA-1”-StEx**
Permitted ambient temperature	-20...+100 °C
Permitted ambient temperature (active zone)	-20...+100 °C
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection to the evaluation unit KFA-5-...	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316 L (FDA conform)
Housing material (active zone)	PTFE (FDA 21 CFR 177.1550)
Accessories:	
For evaluation unit KFA-5-...-Y50:	Plug connection Y75 / Y55, 2 m cable length, # 66101242, is not delivered with the probe
For evaluation unit KFA-5-...-Y70:	Plug connection Y75 / Y75, 2 m cable length, # 66101204, is not delivered with the probe
For matching accessories please see our selection of accessories.	

* The degree of protection may be increased by means of special measures at mounting (e. g. injection of silicone mixture).



Connection sockets within connection head



Please determine the total length „L“ and the position of the second switching point “X2” when ordering.

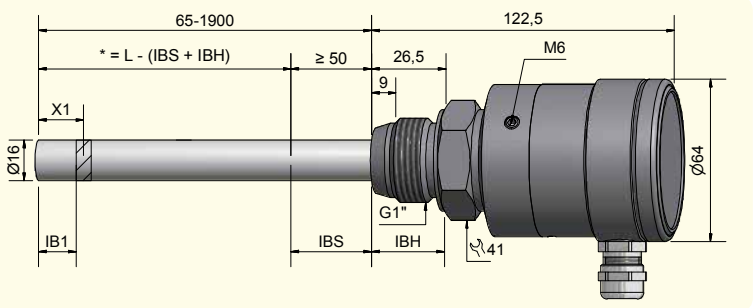
Capacitive Filling Level Probe - KFX - ATEX

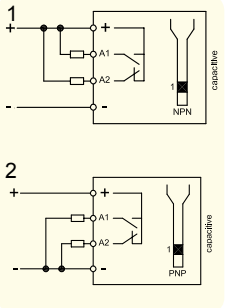
NPN Output - Antivalent (NO + NC)
PNP Output - Antivalent (NO + NC)
1 Limit value switching point

- Integrated evaluation electronics
- 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 (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1”
- Probe length max. 1900 mm

BVS 05 ATEX E 185	IECEx BVS 07.0032
II 2G Ex mb II T4	Ex mb II T4
II 1/2 D IP 67 T 110°C	Ex tD A20/21 IP 67 T 110°C

Technical data	
Active zone, related to probe tip	10...25 mm
Electrical version	4 connections DC
Output function	Antivalent
Type	**KFX-5-1-“L“-15-N-A-PTFE/VA-1”-StEx**
Connection diagram No.	1
Type	**KFX-5-1-“L“-15-P-A-PTFE/VA-1”-StEx**
Connection diagram No.	2
Operating voltage (U_B)	18...30 V DC
Voltage drop max. (U_d)	≤ 2,5 V
Permitted residual ripple max.	25 %
No-load current (I_o)	Typ. 50 mA
Switching frequency max.	4 Hz
Operating current (I_e)	2 x 0...100 mA
Permitted ambient temperature	-20...+55 °C
Permitted ambient temperature (for active zone)	-20...+100 °C
LED-display	Green / yellow
Protective circuit	Build-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	10 m, PVC, 4 x 0.5 mm²
Housing material	VA No. 1.4404
Housing material (active zone)	PTFE (FDA 21 CFR 177.1550)
For matching accessories please see our selection of accessories.	





Please determine the total length „L“ when ordering.

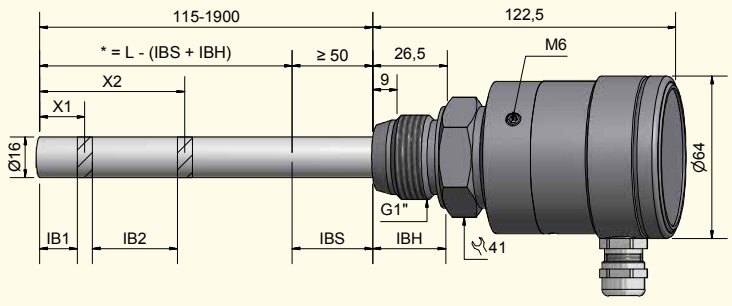
Capacitive Filling Level Probe - KFX - ATEX

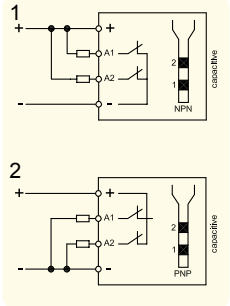
NPN Output - Normally Closed (NC)
PNP Output - Normally Closed (NC)
2 Limit value switching points

- Integrated evaluation electronics
- 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 (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1”
- Probe length max. 1900 mm

BVS 05 ATEX E 185	IECEx BVS 07.0032
II 2G Ex mb II T4	Ex mb II T4
II 1/2 D IP 67 T 110°C	Ex tD A20/21 IP 67 T 110°C

Technical data	
Active zone, related to probe tip	10...25 mm, + 1 x type specific X2
Electrical version	4 connections DC
Output function	Normally closed
Type	**KFX-5-2-“L“-15/X2-N-Ö-PTFE/VA-1”-StEx**
Connection diagram No.	1
Type	**KFX-5-2-“L“-15/X2-P-Ö-PTFE/VA-1”-StEx**
Connection diagram No.	2
Operating voltage (U_B)	18...30 V DC
Voltage drop max. (U_d)	≤ 2,5 V
Permitted residual ripple max.	25 %
Operating current (I_e)	2 x 0...100 mA
No-load current (I_o)	Typ. 50 mA
Switching frequency max.	4 Hz
Permitted ambient temperature	-20...+55 °C
Permitted ambient temperature (for active zone)	-20...+100 °C
LED-display	Green / yellow
Protective circuit	Build-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	10 m, PVC, 4 x 0.5 mm²
Housing material	VA No. 1.4404
Housing material (active zone)	PTFE (FDA 21 CFR 177.1550)
For matching accessories please see our selection of accessories.	





Please determine the total length „L“ and the position of the second switching point „X2“ when ordering.

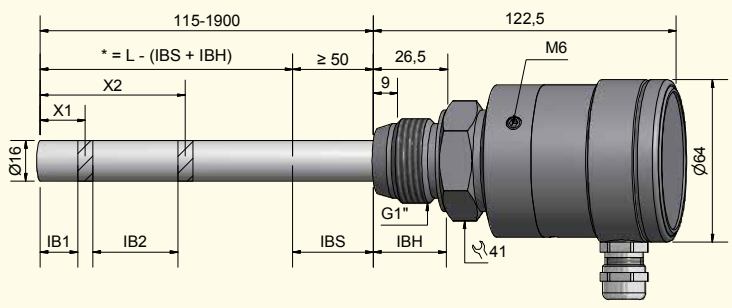
PERLEVEL Capacitive Filling Level Probe - KFX - ATEX

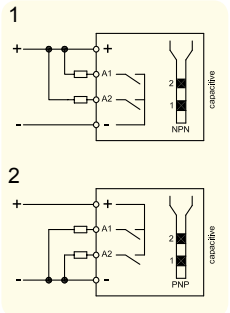
NPN Output - Normally Open (NO)
PNP Output - Normally Open (NO)
2 Limit value switching points

- Integrated evaluation electronics
- 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 (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1”
- Probe length max. 1900 mm

BVS 05 ATEX E 185	IECEx BVS 07.0032
II 2G Ex mb II T4	Ex mb II T4
II 1/2 D IP 67 T 110°C	Ex tD A20/21 IP 67 T 110°C

Technical data	
Active zone, related to probe tip	10...25 mm + 1 x type specific X2
Electrical version	4 connections DC
Output function	Normally open
Type	**KFX-5-2-“L“-15/X2-N-S-PTFE/VA-1”-StEx**
Connection diagram No.	1
Type	**KFX-5-2-“L“-15/X2-P-S-PTFE/VA-1”-StEx**
Connection diagram No.	2
Operating voltage (U_B)	18...30 V DC
Voltage drop max. (U_d)	≤ 2,5 V
Permitted residual ripple max.	25 %
Operating current (I_e)	2 x 0...100 mA
No-load current (I_o)	Typ. 50 mA
Switching frequency max.	4 Hz
Permitted ambient temperature	-20...+55 °C
Permitted ambient temperature (for active zone)	-20...+100 °C
LED-display	Green / yellow
Protective circuit	Build-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	10 m, PVC, 4 x 0.5 mm²
Housing material	VA No. 1.4404
Housing material (active zone)	PTFE (FDA 21 CFR 177.1550)
For matching accessories please see our selection of accessories.	





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