

Емкостные системы измерения уровня KFA-1-FL, KFA-1-IL, KFA-1-UL, KFS-ATEX

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
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Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
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Саранск (8342)22-96-24
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Смоленск (4812)29-41-54
Сочи (862)225-72-31
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TRUE L&VEL® Capacitive Evaluation Unit
Analogue frequency output 0...10 kHz

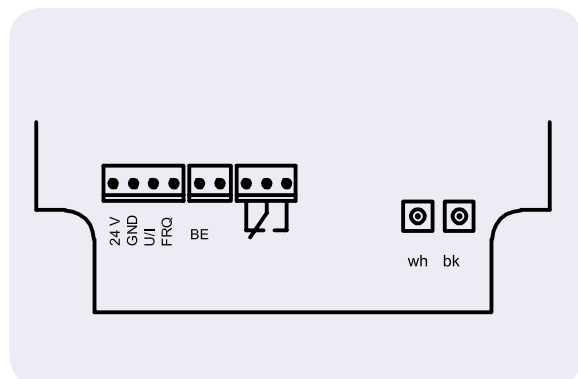
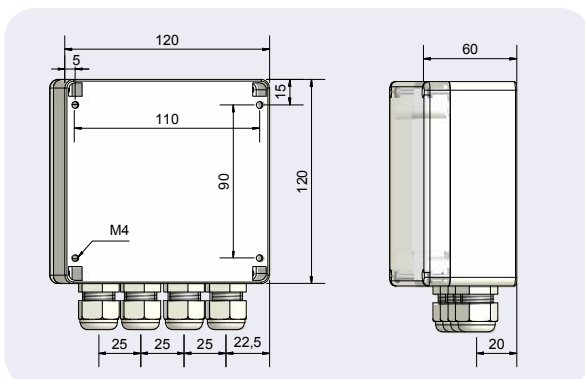
- For capacitive level probes with analogue measuring range KFS-1-...-Y75
- Operating voltage 18...36 V DC
- Potential-free change over contact as signal output
- For materials with ϵ_r 1,2...30



Technical data

Output function	Analogue
Type Analogue	KFA-1-200-XXL-FL-Y70
Art.- No.	AF 0125
Type Analogue	KFA-1-500-XXL-FL-Y70
Art.-No.	AF 0126
Type Analogue	KFA-1-1000-XXL-FL-Y70
Art.-No.	AF 0127
Type Analogue	KFA-1-2000-XXL-FL-Y70
Art.-No.	AF 0128
Operating voltage (U_B)	18...36 V DC
Permitted residual ripple max.	25 %
Analogue output	0...10 kHz / TTL-level
Power consumption (outputs no-load)	Typ. 3 W
Permitted ambient temperature	-25...+55 °C
LED-Display	Green / U_B standby
LED-Display	Green-yellow / filling level-tendency
Protective circuit	Built-in
Degree of protection IEC 60529	IP 54
Norm	EN 60947-5-2*
Connection	Sockets
Housing material	ABS

*Where applicable





TRUE LeVeL Capacitive Evaluation Unit
Analogue current output 0...10 V

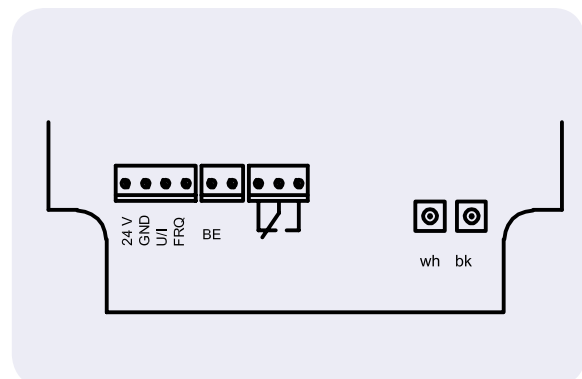
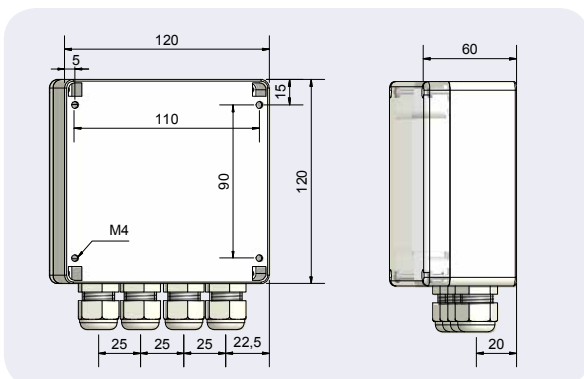
- For capacitive level probes with analogue measuring range KFS-1-...-Y75
- Operating voltage 18...36 V DC
- Potential-free change over contact as signal output
- For materials with ϵ_r 1,2...30



Technical data

Output function	Analogue
Type Analogue	KFA-1-200-XXL-IL-4-Y70
Art.- No.	AF 0129
Type Analogue	KFA-1-500-XXL-IL-4-Y70
Art.-No.	AF 0130
Type Analogue	KFA-1-1000-XXL-IL-4-Y70
Art.-No.	AF 0131
Type Analogue	KFA-1-2000-XXL-IL-4-Y70
Art.-No.	AF 0132
Operating voltage (U_B)	18...36 V DC
Permitted residual ripple max.	25 %
Analogue output	0...10 V
Load resistance (R_L)	$\leq 600 \Omega$
Power consumption (outputs no-load)	Typ. 3 W
Permitted ambient temperature	-25...+55 °C
LED-Display	Green / U_B standby
LED-Display	Green-yellow / filling level
Protective circuit	Built-in
Degree of protection IEC 60529	IP 54
Norm	EN 60947-5-2*
Connection	Sockets
Housing material	ABS

*Where applicable





TRUE L&VEL® Capacitive Evaluation Unit
Analogue voltage output 0...10 V

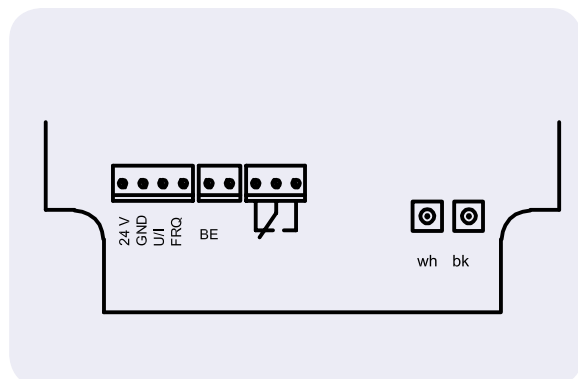
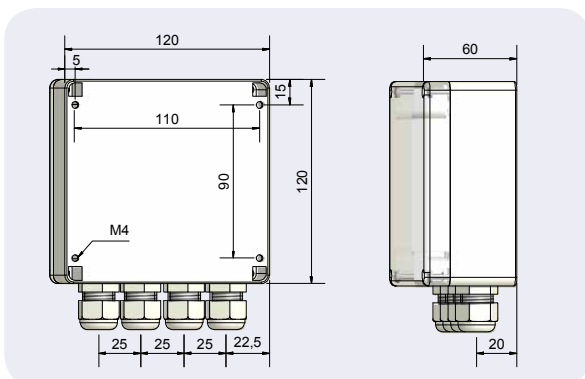
- For capacitive level probes with analogue measuring range KFS-1-...-Y75
- Operating voltage 18...36 V DC
- Potential-free change over contact as signal output
- For materials with ϵ_r 1,2...30



Technical data

Output function	Analogue
Type Analogue	KFA-1-200-XXL-UL-0-Y70
Art.- No.	AF 0133
Type Analogue	KFA-1-500-XXL-UL-0-Y70
Art.-No.	AF 0134
Type Analogue	KFA-1-1000-XXL-UL-0-Y70
Art.-No.	AF 0135
Type Analogue	KFA-1-2000-XXL-UL-0-Y70
Art.-No.	AF 0136
Operating voltage (U_B)	18...36 V DC
Permitted residual ripple max.	25 %
Analogue output	0...10 V
Load resistance (R_L)	$\geq 2 \text{ k}\Omega$
Power consumption (outputs no-load)	Typ. 3 W
Permitted ambient temperature	-25...+55 °C
LED-Display	Green / U_B standby
LED-Display	Green-yellow / filling level
Protective circuit	Built-in
Degree of protection IEC 60529	IP 54
Norm	EN 60947-5-2*
Connection	Sockets
Housing material	ABS

*Where applicable





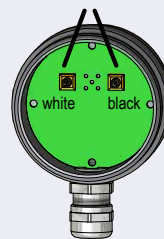
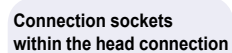
- For connection to the capacitive amplifier KFA-1-...-Y70
- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Housing material (active zone): PTFE, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G 1"
- Probe length max. 1900 mm
- Automatic compensation of changes of the dielectric constant

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



Active zone [M]	Type dependent
Type	KFS-1-“L“-“M“-PTFE/VA-1”-StEx
Permitted ambient temperature	-20...+100 °C
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection to the evaluation unit KFA-1-...-Y70	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316L (FDA conform)
Housing material (active Zone)	PTFE (FDA 21 CFR 177.1550)
Pressure	3 bar
Accessories:	
For evaluation unit KFA-1-...-Y70:	Plug connection Y75 / Y75, 2 m cable length, # 66101201, is not delivered with the probe
For evaluation unit KFA-1-...-Y70:	Plug connection Y75 / Y75, 5 m cable length, # 66101202, 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).



Please determine the total length „L“ and the measuring range „M“ when ordering.

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