

Емкостные системы измерения уровня KFS-51-15, KFS-52-15, KFS-53-15, KFS-54-15

Технические характеристики

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Y55



Y75



Y76



Y95

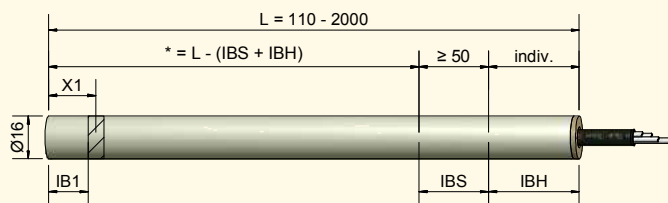
PER LeVeL® Capacitive Filling Level Probe - KFS 1
Limit value switching point

- For connection to the capacitive amplifier KFA-5-...-Y...
- Housing material: See below, Ø 16 mm
- Probe length max. 2000 mm



Technical data

Active Zone [mm]	10...25, related to probe tip	10...25, related to probe tip
Type for evaluation unit Y50	KFS-51-15-"L"-15-GFK-D16-X02-Y55	KFS-51-15-"L"-15-PTFE-D16-X02-Y55
Type for evaluation unit Y70	KFS-51-15-"L"-15-GFK-D16-X02-Y75	KFS-51-15-"L"-15-PTFE-D16-X02-Y75
Type for evaluation unit Y70	KFS-51-15-"L"-15-GFK-D16-X02-Y76	KFS-51-15-"L"-15-PTFE-D16-X02-Y76
Type for evaluation unit Y90	KFS-51-15-"L"-15-GFK-D16-X02-Y95	KFS-51-15-"L"-15-PTFE-D16-X02-Y95
Permitted ambient temperature (for active zone)	-70...+200 °C	-70...+250 °C
Degree of protection IEC 60529 (probe)	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...-Y...	2 m coax-cable with connectors	2 m coax-cable with connectors
Housing material	GFK	PTFE (FDA 21 CFR 177.1550)
Housing material active zone	GFK	PTFE (FDA 21 CFR 177.1550)
Accessories for mounting (not delivered with the probe) please see our selection of accessories.		



Technical data for connectors on request.

Please determine the total length "L" when ordering.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



Y55



Y75



Y76



Y95

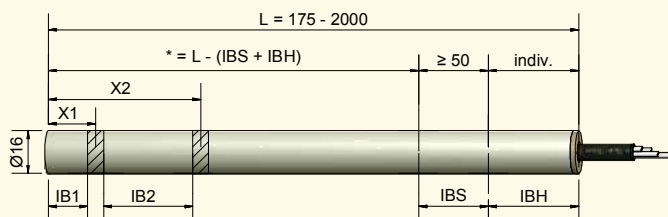
PER LeVeL® Capacitive Filling Level Probe - KFS 2
Limit value switching points

- For connection to the capacitive amplifier KFA-5-...-Y...
- Housing material: See below, Ø 16 mm
- Probe length max. 2000 mm



Technical data

Active Zone [mm]	10...25, related to probe tip + 1 x type specific X2	10...25, related to probe tip + 1 x type specific X2
Type for evaluation unit Y50	KFS-52-15"-L"-15/X2-GFK-D16-X02-Y55	KFS-52-15"-L"-15/X2-PTFE-D16-X02-Y55
Type for evaluation unit Y70	KFS-52-15"-L"-15/X2-GFK-D16-X02-Y75	KFS-52-15"-L"-15/X2-PTFE-D16-X02-Y75
Type for evaluation unit Y70	KFS-52-15"-L"-15/X2-GFK-D16-X02-Y76	KFS-52-15"-L"-15/X2-PTFE-D16-X02-Y76
Type for evaluation unit Y90	KFS-52-15"-L"-15/X2-GFK-D16-X02-Y95	KFS-52-15"-L"-15/X2-PTFE-D16-X02-Y95
Permitted ambient temperature (for active zone)	-70...+200 °C	-70...+250 °C
Degree of protection IEC 60529 (probe)	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...-Y...	2 m coax-cable with connectors	2 m coax-cable with connectors
Housing material	GFK	PTFE (FDA 21 CFR 177.1550)
Housing material active zone	GFK	PTFE (FDA 21 CFR 177.1550)
Accessories for mounting (not delivered with the probe) please see our selection of accessories.		



Technical data for connectors on request.

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

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



Y55



Y75



Y76



Y95

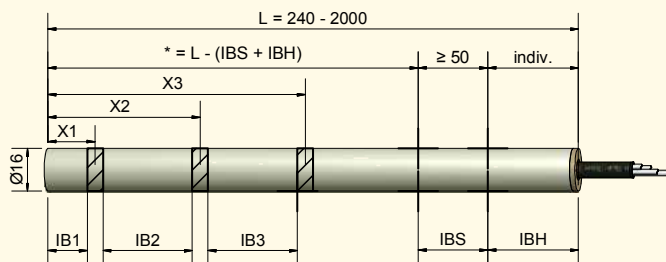
PER LeVeL® Capacitive Filling Level Probe - KFS 3
Limit value switching points

- For connection to the capacitive amplifier KFA-5-...-Y...
- Housing material: See below, Ø 16 mm
- Probe length max. 2000 mm



Technical data

Active Zone [mm]	10...25, related to the probe tip + 2 x type specific X2 / X3	10...25, related to the probe tip + 2 x type specific X2 / X3
Type for evaluation unit Y50	KFS-53-15-"L"-15/X2/X3-GFK-D16-X02-Y55	KFS-53-15-"L"-15/X2/X3-PTFE-D16-X02-Y55
Type for evaluation unit Y70	KFS-53-15-"L"-15/X2/X3-GFK-D16-X02-Y75	KFS-53-15-"L"-15/X2/X3-PTFE-D16-X02-Y75
Type for evaluation unit Y70	KFS-53-15-"L"-15/X2/X3-GFK-D16-X02-Y76	KFS-53-15-"L"-15/X2/X3-PTFE-D16-X02-Y76
Type for evaluation unit Y90	KFS-53-15-"L"-15/X2/X3-GFK-D16-X02-Y95	KFS-53-15-"L"-15/X2/X3-PTFE-D16-X02-Y95
Permitted ambient temperature (for active zone)	-70...+200 °C	-70...+250 °C
Degree of protection IEC 60529 (probe)	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...-Y...	2 m coax-cable with connectors	2 m coax-cable with connectors
Housing material	GFK	PTFE (FDA 21 CFR 177.1550)
Housing material active zone	GFK	PTFE (FDA 21 CFR 177.1550)
Accessories for mounting (not delivered with the probe) please see our selection of accessories.		



Technical data for connectors on request.

Please determine the total length "L" and the position of the second and third switching point "X2 / X3" when ordering.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



Y55



Y75



Y76



Y95

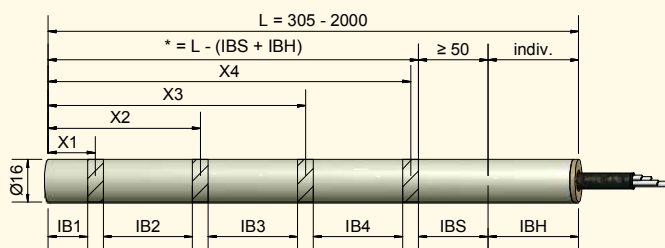
PER **LeVeL** Capacitive Filling Level Probe - KFS 4 Limit value switching points

- For connection to the capacitive amplifier KFA-5-...-Y...
- Housing material: See below, Ø 16 mm
- Probe length max. 2000 mm



Technical data

Active Zone [mm]	10...25, related to the probe tip + 3 x type specific X2 / X3 / X4	10...25, related to the probe tip + 3 x type specific X2 / X3 / X4
Type for evaluation unit Y50	KFS-54-15-"L"-15/X2/X3/X4-GFK-D16-X02-Y55	KFS-54-15-"L"-15/X2/X3/X4-PTFE-D16-X02-Y55
Type for evaluation unit Y70	KFS-54-15-"L"-15/X2/X3/X4-GFK-D16-X02-Y75	KFS-54-15-"L"-15/X2/X3/X4-PTFE-D16-X02-Y75
Type for evaluation unit Y70	KFS-54-15-"L"-15/X2/X3/X4-GFK-D16-X02-Y76	KFS-54-15-"L"-15/X2/X3/X4-PTFE-D16-X02-Y76
Type for evaluation unit Y90	KFS-54-15-"L"-15/X2/X3/X4-GFK-D16-X02-Y95	KFS-54-15-"L"-15/X2/X3/X4-PTFE-D16-X02-Y95
Permitted ambient temperature (for active zone)	-70...+200 °C	-70...+250 °C
Degree of protection IEC 60529 (probe)	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...-Y...	2 m coax-cable with connectors	2 m coax-cable with connectors
Housing material	GFK	PTFE (FDA 21 CFR 177.1550)
Housing material active zone	GFK	PTFE (FDA 21 CFR 177.1550)
Accessories for mounting (not delivered with the probe) please see our selection of accessories.		



Technical data for connectors on request.

Please determine the total length "L" and the position of the second, third and fourth switching point "X2 / X3 / X4" when ordering.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



PER LeVeL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to the capacitive amplifier KFA-5-...
- Housing material (active zone): See below, 16 mm Ø
- Connection head and process connection stainless steel VA
- Process connection G1"
- Probe length max. GFK - 2000 mm, PTFE - 1900 mm



Technical data

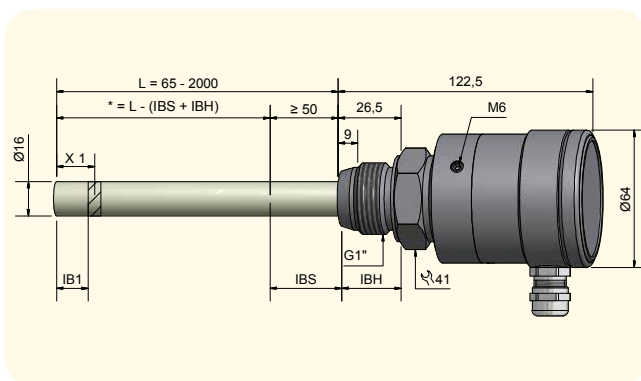
Active Zone [mm]	10...25, related to the probe tip	10...25, related to the probe tip
Type	KFS-51-15-"L"-15-GFK/VAc-D16-PHG1-X00-Y70	KFS-51-15-"L"-15-PTFE/VAc-D16-PHG1-X00-Y70
Permitted ambient temperature	-25...+100 °C	-25...+100 °C
Permitted ambient temperature (for active zone)	-25...+150 °C	-25...+150 °C
Degree of protection IEC 60529 (Housing)	IP 67	IP 67
Degree of protection IEC 60529 (Screwing* Cable connection)	IP 54	IP 54
Norm	EN 60947-5-2	EN 60947-5-2
Connection to the evaluation unit KFA-5-..	Sockets within the connection head	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316L (FDA conform)	VA No. 1.4404 / AISI 316L (FDA conform)
Housing material (active zone)	GFK	PTFE (FDA 21 CFR 177.1550)
Pressure	25 bar	2 bar

Accessories:

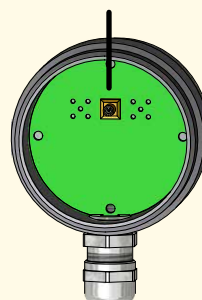
For evaluation unit KFA-5-...-Y50:	Plug connection Y75 / Y55, 2 m cable length, # 66101213, is not delivered with the probe
For evaluation unit KFA-5-...-Y70:	Plug connection Y75 / Y75, 2 m cable length, # 66101203, is not delivered with the probe.

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.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



PERLeVeL Capacitive Filling Level Probe - KFS 2 Limit value switching points

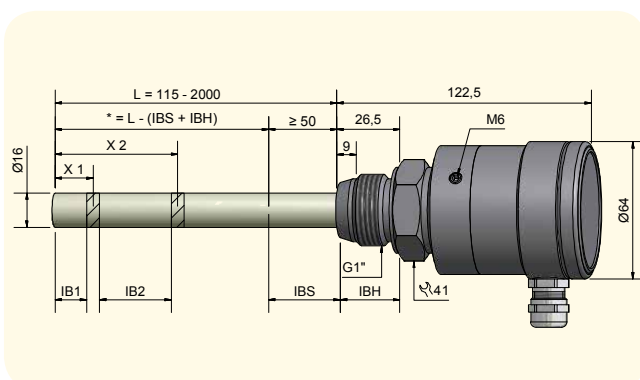
- For connection to the capacitive amplifier KFA-5-...
- Housing material (active zone): See below, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G1"
- Probe length max. GFK - 2000 mm, PTFE - 1900 mm



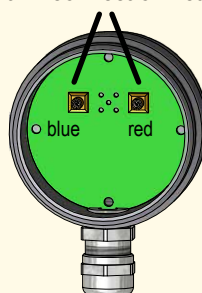
Technical data

Active Zone [mm]	10...25, related to the probe tip + 1 x type specific X2	10...25, related to the probe tip + 1 x type specific X2
Type	KFS-52-15-“L“-15/X2-GFK/VAc-D16-PHG1-X00-Y70	KFS-52-15-“L“-15/X2-PTFE/VAc-D16-PHG1-X00-Y70
Permitted ambient temperature	-25...+100 °C	-25...+100 °C
Permitted ambient temperature (for active zone)	-25...+150 °C	-25...+150 °C
Degree of protection IEC 60529 (Housing)	IP 67	IP 67
Degree of protection IEC 60529 (Screwing* Cable connection)	IP 54	IP 54
Norm	EN 60947-5-2	EN 60947-5-2
Connection to the evaluation unit KFA-5-...	Sockets within the connection head	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316L (FDA conform)	VA No. 1.4404 / AISI 316L (FDA conform)
Housing material (active zone)	GFK	PTFE (FDA 21 CFR 177.1550)
Pressure	25 bar	2 bar
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.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



PER LeVeL® Capacitive Filling Level Probe - KFS
3 Limit value switching points

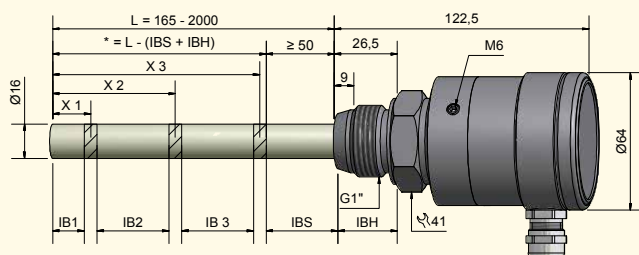
- For connection to the capacitive amplifier KFA-5-...
- Housing material (active zone): See below, Ø 16 mm
- Connection head and process connection stainless steel VA
- Process connection G1"
- Probe length max. GFK - 2000 mm, PTFE - 1900 mm



Technical data

Active Zone [mm]	10...25, related to probe tip + 2 x type specific X2 / X3	10...25, related to probe tip + 2 x type specific X2 / X3
Type	KFS-53-15-“L“-15/X2/X3-GFK/VAc-D16-PHG1-X00-Y70	KFS-53-15-“L“-15/X2/X3-PTFE/VAc-D16-PHG1-X00-Y70
Permitted ambient temperature	-25...+100 °C	-25...+100 °C
Permitted ambient temperature (for active zone)	-25...+150 °C	-25...+150 °C
Degree of protection IEC 60529 (Housing)	IP 67	IP 67
Degree of protection IEC 60529 (Screwing* Cable connection)	IP 54	IP 54
Norm	EN 60947-5-2	EN 60947-5-2
Connection to the evaluation unit KFA-5-...	Sockets within the connection head	Sockets within the connection head
Housing material	VA No. 1.4404 / AISI 316L (FDA conform)	VA No. 1.4404 / AISI 316L (FDA conform)
Housing material (active zone)	GFK	PTFE (FDA 21 CFR 177.1550)
Pressure	25 bar	2 bar
Accessories:		
For evaluation unit KFA-5-...-Y70:	Plug connection Y75 / Y75, 2 m cable length, # 66101205, 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 and third switching point "X2 / X3" when ordering.

Other housing materials for the active zone (probe), like PVDF, PEEK or PE on request.



Y55



Y75

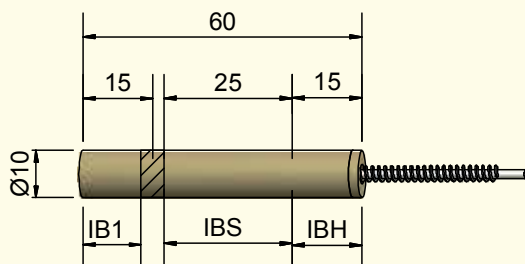
PERLeVeL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to capacitive amplifiers KFA-5-...-Y50 / Y70
- Housing material: PEEK, Ø 10 mm
- Probe length 60 mm



Technical data

Active zone	15 mm, related to probe tip	15 mm, related to probe tip
Type	KFS-51-15-60-15-PEEK-D10-X01-Y55	KFS-51-15-60-15-PEEK-D10-X02-Y75
Art.-No.	KF 0331	KF 0277
Permitted ambient temperature	-70...+250 °C	-70...+250 °C
Degree of protection IEC 60529 (Probe)	IP 67	IP 67
Connection cable to the evaluation unit KFA-5-...Y50	1 m FEP, coax-cable with coax-connector	2 m FEP, coax-cable with SMB-connector
Housing material	PEEK (FDA 21 CFR 177.2415)	PEEK (FDA 21 CFR 177.2415)
Housing material active zone	PEEK (FDA 21 CFR 177.2415)	PEEK (FDA 21 CFR 177.2415)



Technical data for connectors on request.



Y55

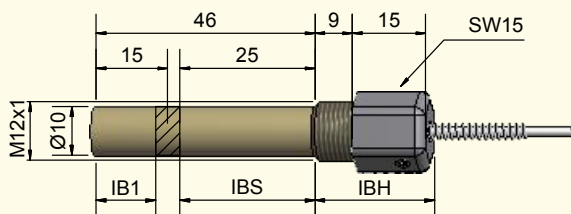
PERLeVeL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to capacitive amplifiers KFA-5-...-Y50
- Housing material: PEEK, Ø 10 mm / M 12 x 1
- Probe length 60 mm



Technical data

Active zone	15 mm, related to probe tip
Type	KFS-51-15-60-15-PEEK-D10-M12-X0E-Y55
Art.-No.	KF 0284
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...-Y50	0,7 m coax-cable with coax-connector
Housing material	Stainless steel VA No. 1.4305 / AISI 303
Active zone	PEEK



Technical data for connectors on request.



Y75

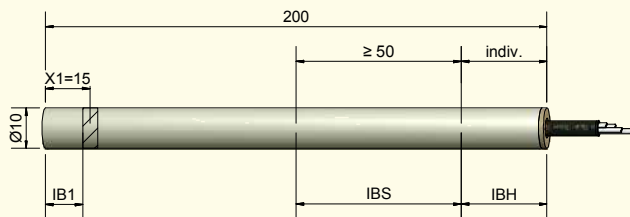
PERLeVEL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to capacitive amplifiers KFA-5-...-Y70
- Housing material: GFK, Ø 10 mm
- Probe length 200 mm



Technical data

Active zone	15 mm, related to probe tip
Type	KFS-51-15-200-15-GFK-D10-X02-Y75
Art.-No.	KF 0285
Permitted ambient temperature	-70...+200° C
Degree of protection IEC 60529 (Probe)	IP 67
Norm	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...Y70	2 m FEP, coax-cable with SMB-connector
Housing material	GFK
Housing material active zone	GFK



Technical data for connectors on request.



Y55

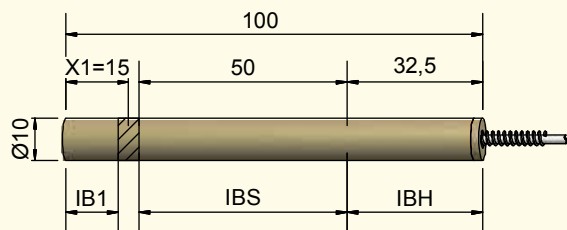
PER LeVeL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to capacitive amplifiers KFA-5-...-Y50
- Housing material: PEEK, Ø 10 mm
- Probe length 100 mm



Technical data

Active zone	15 mm, related to probe tip
Type	KFS-51-15-100-15-PEEK-D10-X02-Y55
Art.-No.	KF 0304
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529 (Probe)	IP 67
Norm	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...Y50	2 m FEP, coax-cable with coax-connector
Housing material	PEEK (FDA 21 CFR 177.2415)
Housing material active zone	PEEK (FDA 21 CFR 177.2415)



Technical data for connectors on request.



Y55

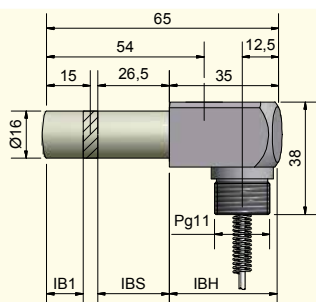
PERLeVeL® Capacitive Filling Level Probe - KFS
1 Limit value switching point

- For connection to capacitive amplifiers KFA-5-1-...-Y50
- Housing material: GFK, Ø 16 mm
- Probe length 50 mm
- With angled aluminium mounting bracket



Technical data

Active zone	5 mm, related to probe tip
Type	KFS-51-5-54-15-GFK/AL-D16-W-X02-Y55
Art.-No.	KF 0314
Permitted ambient temperature	-70...+200 °C
Degree of protection IEC 60529 (Probe)	IP 67
Norm	EN 60947-5-2
Connection cable to the evaluation unit KFA-5-...Y50	2 m FEP, coax-cable with connector
Housing material mounting bracket	Aluminium
Housing material active zone	GFK



Technical data for connectors on request.

Other housing materials for the active zone (probe), like GFK, PVDF, PEEK or PE on request.

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
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