

Magnetic Float Switches / Stainless steel

Type

ALE/V/FE-80/16/B1-V/..-L../18-SV72/24/V

ALE/V/FE-100/16/B1-V/..-L../18-SV98/23/A

Material quality:	1.4404 / 1.4435 / 1.4571 (316L / 316Ti)	1.4404 / 1.4435 / 1.4571 (316L / 316Ti)
Electrical connection:	ALE Aluminium terminal box	ALE Aluminium terminal box
Process connection:	Flange EN DN 80 / PN 16 / Form B1	Flange EN DN 100 / PN 16 / Form B1
Guide tube:	Ø 18 mm	Ø 18 mm
Length of instrument:	≤ 6000 mm*	≤ 6000 mm*
Float:	SV72/24/V Ø 72 mm	SV98/23/A Ø 98 mm
Specific gravity:	≥ 620 kg/m ³	≥ 570 kg/m ³
Design pressure:	-1 bar ... 16 bar (depending on temperature)	-1 bar ... 16 bar (depending on temperature)
Design temperature:	-30°C ... 180°C (optional 250°C)	-30°C ... 180°C (optional 250°C)
Ingress protection class:	IP 65	IP 65
Mounting position:	Vertical +/-30°	Vertical +/-30°

Level switch function

Function:	Normally open / S	Normally open / S
Switching capacity:	230 V / 1.0 A / 100 VA	230 V / 1.0 A / 100 VA
Maximal number of contacts:	4 pieces (5 pieces with ALF terminal box)	4 pieces (5 pieces with ALF terminal box)
Function:	Normally closed / O	Normally closed / O
Switching capacity:	230 V / 0.5 A / 40 VA	230 V / 0.5 A / 40 VA
Maximal number of contacts:	4 pieces (5 pieces with ALF terminal box)	4 pieces (5 pieces with ALF terminal box)
Function:	Change over / U	Change over / U
Switching capacity:	230 V / 0.5 A / 40 VA	230 V / 0.5 A / 40 VA
Maximal number of contacts:	3 pieces (4 pieces with ALF terminal box)	3 pieces (4 pieces with ALF terminal box)

Option temperature probe / Page 112

Temperature probe:	Pt-100 / Pt-1000	Pt-100 / Pt-1000
Norm:	IEC 751 Kl.B	IEC 751 Kl.B

Option temperature switch / Page 112

Function:	Normally closed or normally open	Normally closed or normally open
Switching capacity:	Page 112	Page 112
Accuracy / Hysteresis:	Page 112	Page 112
Temperature / Grading:	Page 112	Page 112

Minimum measures

ALE/V/FE-80/16/B1-V/..-L../18-SV72/24/V
 L1: ≥ 60 mm
 U: 60 mm
 Contact distance: ≥ 20 mm
 Float distance: ≥ 90 mm

Approvals / Certificates

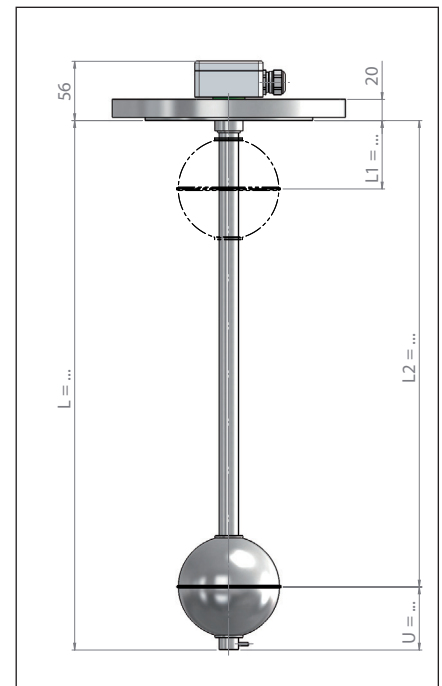
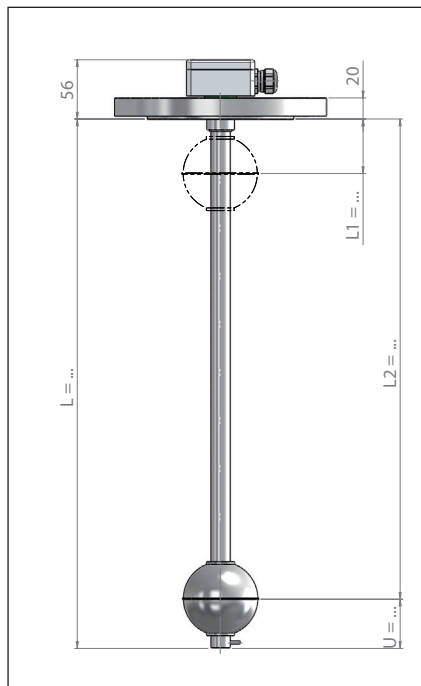
ATEX / PED / GOST / GL / BV / ABS / WHG / SIL1

Minimum measures

ALE/V/FE-100/16/B1-V/..-L../18-SV98/23/A
 L1: ≥ 80 mm
 U: 70 mm
 Contact distance: ≥ 20 mm
 Float distance: ≥ 115 mm

Approvals / Certificates

ATEX / PED / GOST / GL / BV / ABS / WHG / SIL1



The magnetic float switches are based on a modular design and can be arranged individually.

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* ATEX-design = if length of instrument ≥ 4000 mm please choose different material quality for guide tube and float