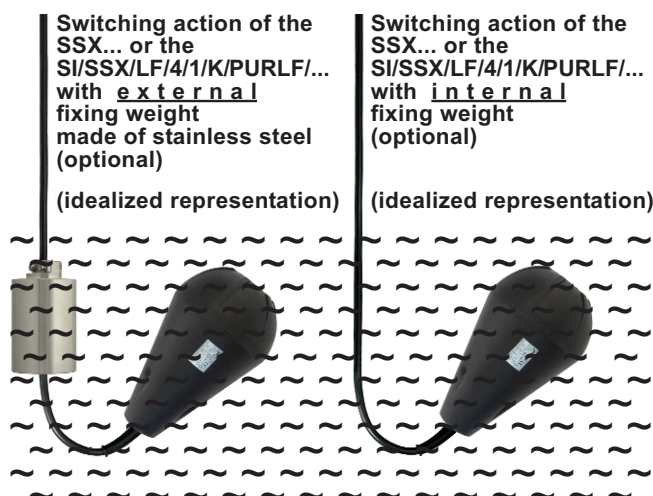


Level controllers

SSX... and SI/SSX/LF/4/1/K/PURLF/Variant 0 Ex I M2 / II 1 G Ex ia I Mb / Ex ia IIC T6 Ga floating switches



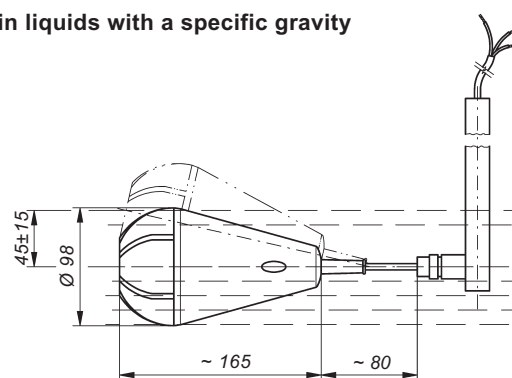
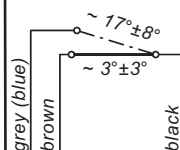
These floating switches are designed for mounting from the side or from the top.

To ensure a correct switching, the cable must be fixed at the required height using a stuffing gland, for example, in the case of mounting from the side or using a fixing weight or a mounting pipe, for example, in the case of mounting from the top.

These units are not suitable for use in turbulent liquids (e.g. in stirrer tanks).

Switching action in liquids with a specific gravity of 1 g/cm³

Contact switches over at



Technical data	SSX 3/K/... SSX/S3/K/...	SSX 1/K/... SSX/S1/K/...	SI/SSX/LF/4/1/K/PURLF/ Variant 0 Ex I M2 / II 1 G Ex ia I Mb / Ex ia IIC T6 Ga
Application	for standard applications	for light current applications	for use in intrinsically safe
Switching voltage	between AC/DC 24 V and AC/DC 250 V	between AC/DC 1 V and AC/DC 42 V	circuits in mines susceptible
Switching current	between AC 20 mA and AC 3 (1) A or between DC 20 mA and DC 100 mA max. 350 VA	between AC 0.1 mA and AC 100 (50) mA or between DC 0.1 mA and DC 10 mA max. 4 VA	to firedamp or in potentially explosive atmospheres zone 0, 1 or 2;
Switching capacity			EC type examination certificate INERIS 03ATEX0149
Operating principle	ball-operated microswitch, potential-free changeover contact		
Options for safety appl.	—	diodes (variant 1) or resistors (variant 2) on request	
Recommended applicat.	—	via Jola protection relay via Jola Ex protection relay see website under "Protection and alarm relays"	
Float material	PP		antistatic (conductive) PP
Seal material	FPM; on request: EPDM		
Float protection class	IP68		
Max. immersion depth of float	max. 10 m head of water at + 20°C		
Connecting cable / application range / temperature range	<ul style="list-style-type: none"> • black PVC cable, 3 x 0.75 (for SSX ./K/PVC), for use in: water / used water / slightly aggressive liquids / oils without aromatic additives / fuel oil / diesel fuel, specific gravity: $\geq 0.7 \text{ g/cm}^3$, T: + 8°C to + 60°C • grey A05RN-F cable, 3 x 0.75 (for SSX ./K/RN), for use in: water / used water / slightly aggressive liquids, specific gravity: $\geq 0.7 \text{ g/cm}^3$, T: 0°C to + 60°C • black CM cable, 3 x 0.75 (for SSX/S./K/CM), for use in: water / certain acids / certain lyes specific gravity: $\geq 0.8 \text{ g/cm}^3$, T: 0°C to + 85°C • white PTFE cable, 3 x 0.75 (for SSX/S./K/PTFE), for use in: all liquids in which the float material PP and the seal material FPM or EPDM are also resistant, specific gravity: $\geq 0.8 \text{ g/cm}^3$, T: 0°C to + 85°C 		<ul style="list-style-type: none"> • black antistatic PURLF cable (with external conductive PUR sheath) 4 G 0.75 (with 3 wires for the changeover contact and 3 drain wires which are twisted together for use as potential equalisation cable), for use in: water / used water / slightly aggressive liquids, specific gravity: $\geq 0.7 \text{ g/cm}^3$, T: 0°C to + 60°C
Connecting cable length	2 m, other cable lengths on request. When ordering, please always state the desired cable type and cable length.		
Optional extras	<ul style="list-style-type: none"> • FG 58x100/Sg, external fixing weight made of cast steel, for liquids with a specific gravity $\geq 0.7 \text{ g/cm}^3$ (not suitable for the PTFE cable) • FG 55x80/E, external fixing weight made of stainless steel 316 Ti, for liquids with a specific gravity $\geq 0.7 \text{ g/cm}^3$ • IG, internal fixing weight (integrated in the float) for liquids with a specific gravity between 0.95 and 1.05 g/cm³ 		<ul style="list-style-type: none"> • FG 55x93/Ex/KLF or FG 55x93/E/KLF/Ex, external fixing weight made of stainless steel 316 Ti, for liquids with a specific gravity $\geq 0.7 \text{ g/cm}^3$