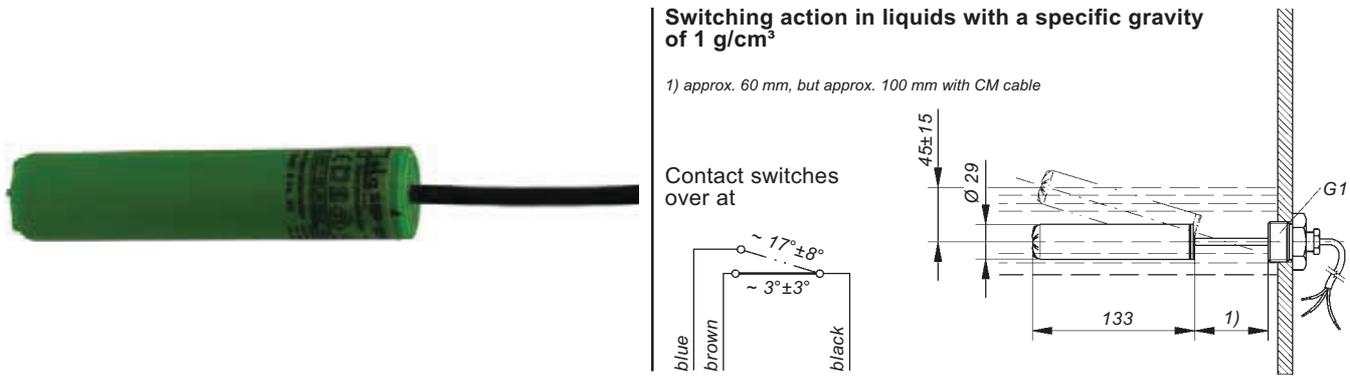


SSP... and SI/SSP/NL 1/K/... Variant 0 Ex I M2 / II 2 GD EEx ia I / IIB T6 mercury-free floating switches

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).



Technical data	SSP 3/K/... SSP/S3/K/...	SSP 1/K/... SSP/S1/K/...	SI/SSP/NL 1/K/... Variant 0 Ex I M2 / II 2 GD EEx ia I / IIB T6
Application	for standard applications	for light current applications	for use in intrinsically safe circuits in mines susceptible to firedamp or in potentially explosive atmospheres in categories zone 1, 21, 2 or 22; EC type examination certificate INERIS 03ATEX0149
Switching voltage	between AC/DC 24 V and AC/DC 250 V	between AC/DC 1 V and AC/DC 42 V	
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	
Switching capacity			
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		
Float material	PP		
Seal material	FPM; on request: EPDM		
Float protection class	IP 68		
Max. immersion depth of float	max. 10 m head of water at + 20°C		
Connecting cable / applications / admissible temperature range	<p>– black PVC cable (for types: SSP .K/PVC) or blue PVC cable (for types: SI/SSP/NL 1/K/PVC): for water, used water, slightly aggressive liquids, oils without aromatic additives, fuel oil and diesel fuel with a specific gravity $\geq 0.82 \text{ g/cm}^3$, in a temperature range from + 8°C to + 60°C</p> <p>– grey A05RN-F cable (for types: SSP .K/RN and SI/SSP/NL 1/K/RN): for water, used water and slightly aggressive liquids with a specific gravity $\geq 0.82 \text{ g/cm}^3$, in a temperature range from 0°C to + 60°C</p> <p>– red-brown silicone cable (low mechanical strength) (for types: SSP/S.K/SIL and SI/SSP/NL 1/K/SIL): for water and certain other liquids with a specific gravity $\geq 0.82 \text{ g/cm}^3$ in a temperature range from 0°C to + 85°C for the types SSP/S.K/SIL and from 0°C to + 60°C for the type SI/SSP/NL 1/K/SIL</p> <p>– black CM cable (for types: SSP/S.K/CM and SI/SSP/NL 1/K/CM): for water and certain acids and lyes with a specific gravity $\geq 1 \text{ g/cm}^3$, in a temperature range from 0°C to + 85°C for the types SSP/S.K/CM and from 0°C to + 60°C for the type SI/SSP/NL 1/K/CM</p>		
Connecting cable length	1 m, other cable lengths on request.		
Optional extras	When ordering, please always state the desired cable length and cable type. stuffing glands (see below) and fixing weights $\text{Ø} 28 \text{ mm} \times 80 \text{ mm}$ high, made of brass, stainless steel 316 Ti or PP		stuffing glands and fixing weights made of brass, stainless steel 316 Ti or conductive PP

Optional extras:

- stuffing gland G^{3/8}, brass
- stuffing gland G^{1/2}, PP
- stuffing gland G^{1/2}, brass
- stuffing gland G^{1/2}, stainless steel 316 Ti
- stuffing gland G1, PP
- stuffing gland G1, brass
- stuffing gland G1, stainless steel 316 Ti

- } Floating switch mounting only possible from inside the tank
- } Floating switch mounting possible from outside the tank

Stuffing gland G1

