

Data sheet

Min Max level control system

Type: SS...MNS

Engler offers now as an add-on to the product line “float switches” the possibility to upgrade the series with a competitive Min-Max-level control. A relay will be switched “on” or “off” at the level switching points being defined by the end-user. The functions are adjustable at the device. Characteristical application:
Control of pumps: Filling / Draining



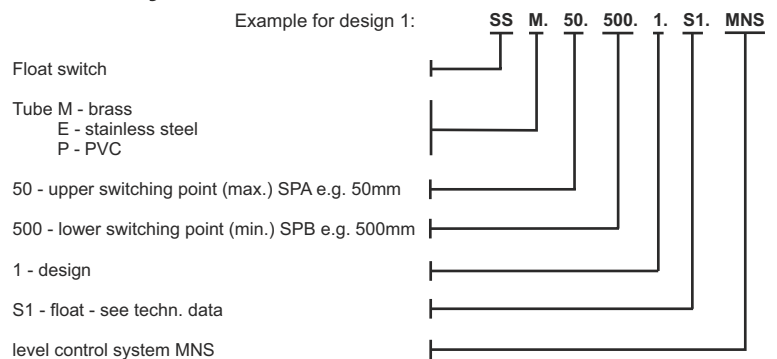
In combination with all float switch designs with housing, e.g. designs 1, 3 and 7 available



Design7

Order key

Example for design 1:



Technical data

| | |
|--------------------------------|---|
| Switching points: Function: | Switching points SPA (max.) and SPB (min.) to be defined by the user. Adjustable by the user via encoder switch: Function “Start”: voltage has been applied, in case the float isn’t positioned “oben (at the top)” or “unten (at the bottom)”. “Ein”: relay activated “Aus”: relay deactivated Function “Aus”: switch-off the relay “Oben (at the top)”: relay is deactivated when float is in maximum position “oben (at the top)” relay is activated when float is in minimum position “unten (at the bottom)” “Unten (at the bottom)”: relay is deactivated when float is in minimum position “unten (at the bottom)” relay is activated when float is in maximum position “oben (at the top)” |
| Switching capacity: | For function examples please see page 2. |
| Supply voltage: | max. 230VAC / 7A / 1000 VA |
| Application temperature: | 24VDC ± 15%, reverse polarity protected |
| LED display: | -20°C to 70°C in housing, in medium see respective design LED green: operating mode; LED yellow: relay activated |

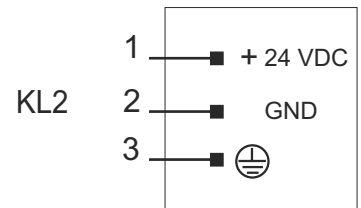
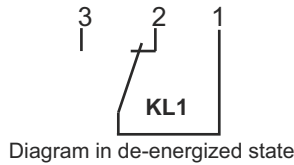
**Further information about material, mounting and connection ... can be found on the data sheets float switch (design 1/3/7 ...)*

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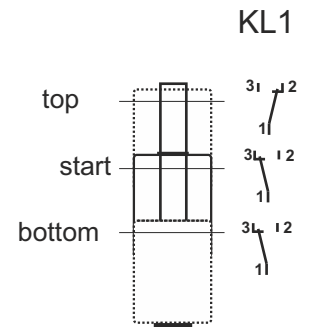
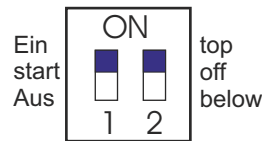
Type: SS...MNS

Terminal plan power supply

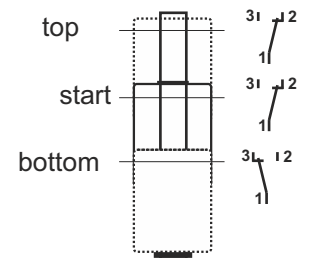
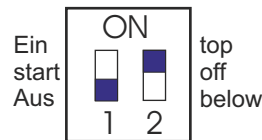


Function examples by means of coding switch with contact positions of the relay

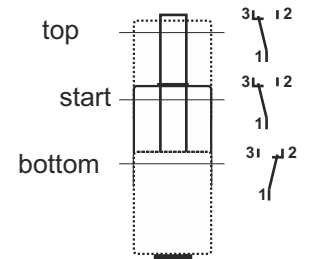
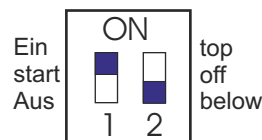
Float position middle: relay activated
 Float position on the top (max.): Relay switched-off
 Float position on the bottom (min.): relay switched-on



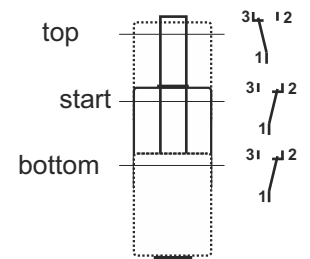
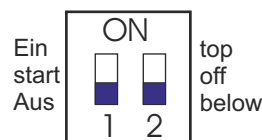
Float position middle: relay deactivated
 Float position on the top (max.): relay switched-off
 Float position on the bottom (min.): Relay switched-on



Float position middle: relay activated
 Float position on the top (max.): Relay switched-on
 Float position on the bottom (min.): relay switched-off



Float position middle: relay deactivated
 Float position on the top (max.): relay switched-on
 Float position on the bottom (min.): relay switched-off



Explanation regarding relay contact positions relating to KL1

Relay deactivated / relay switched-off:



Relay activated / relay switched-on:

