

## reed switch chain LP-XX01S25 level-sensor

### features

- weather-proof
- reliable

### applications

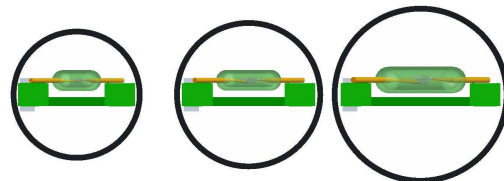
- fill level detection
- position sensor

### description

Each reed-switch has a lifespan of over 1 billion operations at dry or low-level circuits.

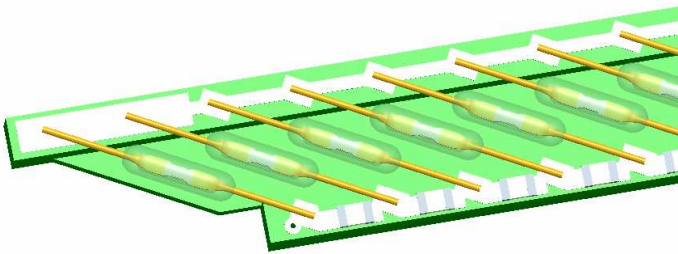
The reed switch chain-elements can be strunged together in any length and e.g. potted inside a tube.

With this method it is possible to build durable and reliable position sensors.



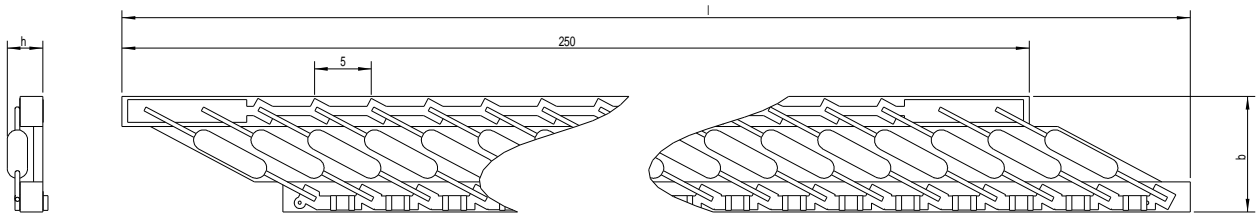
### absolute maximum ratings

Parameter	Symbol	0701S	1001S	1401S	Unit
Contact rating	$P_s$	10	10	10	W
		10	10	10	VA
Switching current	$I_s$	500	700	1000	mA
Carry current	$I_c$	700	1000	1200	mA
Switching voltage	$U_s$	150	180	200	VDC
		120	130	140	VAC
Breakdown voltage	$U_{bd}$	200	200	240	VDC
Shock (1/2 sin 11 ms)		50	50	100	g
Vibration (50-2000 Hz)		10	20	20	g
Ambient temperature	$T_{amb}$	+125	+125	+155	°C
Soldering temperature (max. 10 sec.)	$T_{sol}$	+300	+300	+300	°C
Temperature gradient	$\Delta T / t$	10	10	10	K / s



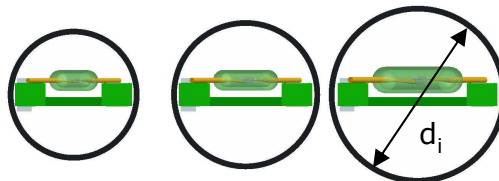
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### dimensions



(All switches are arranged in an angle of 28° and in a pitch of 5mm. The blades are oriented randomly.)

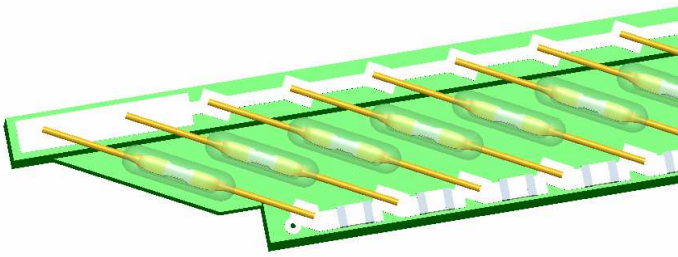
### available variants



	0701S	1001S	1401S
<b>d<sub>i</sub> min</b>	10,5	12	14,5
<b>b</b>	10,2	11,6	13,9
<b>h</b>	3,1	3,2	3,4
<b>l</b>	264,2	266,8	271,2
<b>R (±1%)</b>	1kΩ	1kΩ	1kΩ
<b>quantity</b>	50	50	50

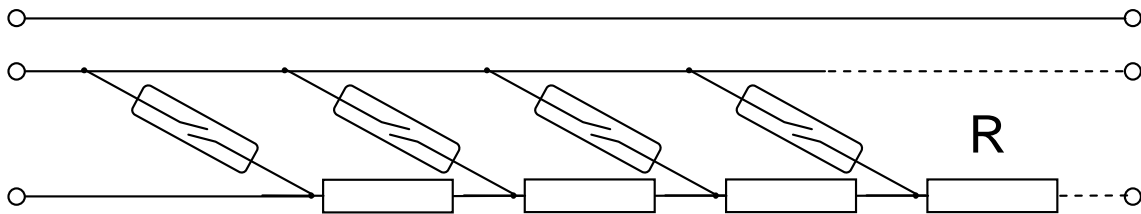
On demand it is also possible to assemble the pcbs in larger pitches (e.g. 10, 25, 50 or 125mm) and with different values of resistance.

all dimensions in mm

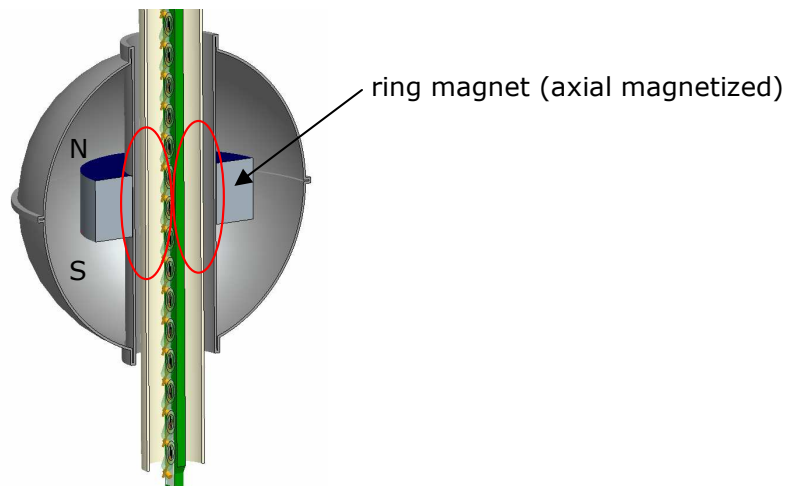


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### schematic diagram



### example of activation



### optional evaluating processor unit

