

reed switch chain LP-XX01TS25

level-sensor

features

- weather-proof
- reliable

applications

- fill level detection
- position sensor

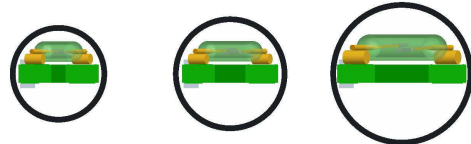
description

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

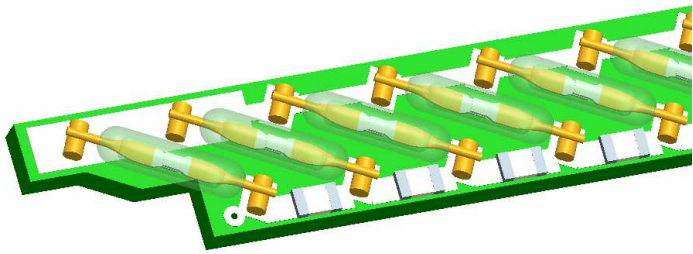
The reed switch chain-elements can be strunged together in any length and e.g. potted inside a tube.

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

absolute maximum ratings

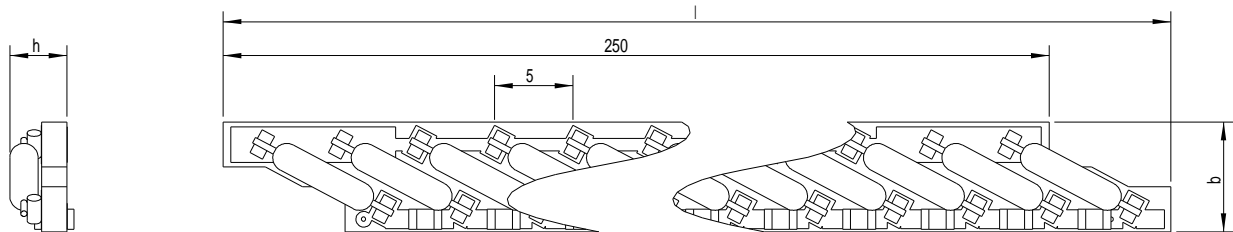


Parameter	Symbol	0701TS	1001TS	1401TS	Unit
Contact rating	P_s	10	10	10	W
		10	10	10	VA
Switching current	I_s	500	700	1000	mA
Carry current	I_c	700	1000	1200	mA
Switching voltage	U_s	150	180	200	VDC
		120	130	140	VAC
Breakdown voltage	U_{bd}	200	200	240	VDC
Shock (1/2 sin 11 ms)		50	50	100	g
Vibration (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



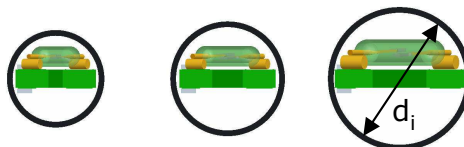
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dimensions



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

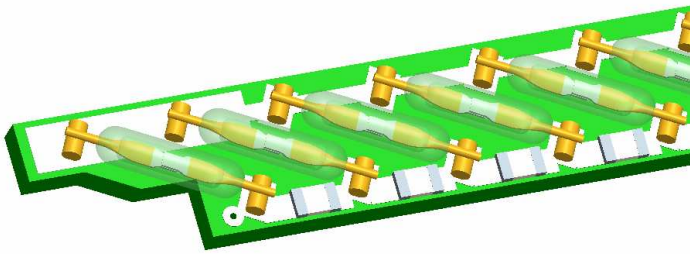
available variants



	0701TS	1001TS	1401TS
d_i min	7,5	9,0	11,5
b	7	8,4	11,3
h	3,6	3,7	4,2
l	257,8	260,4	265
R (±1%)	1kΩ	1kΩ	1kΩ
quantity	50	50	50

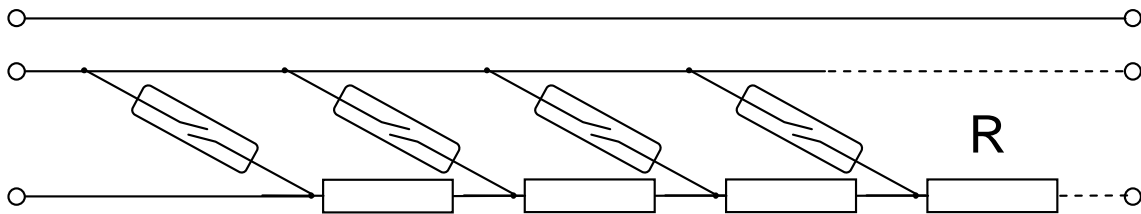
On demand it is also possible to assemble the pcbs in larger pitches (e.g. 10, 25, 50 or 125mm) and with different values of resistance.

all dimensions in mm

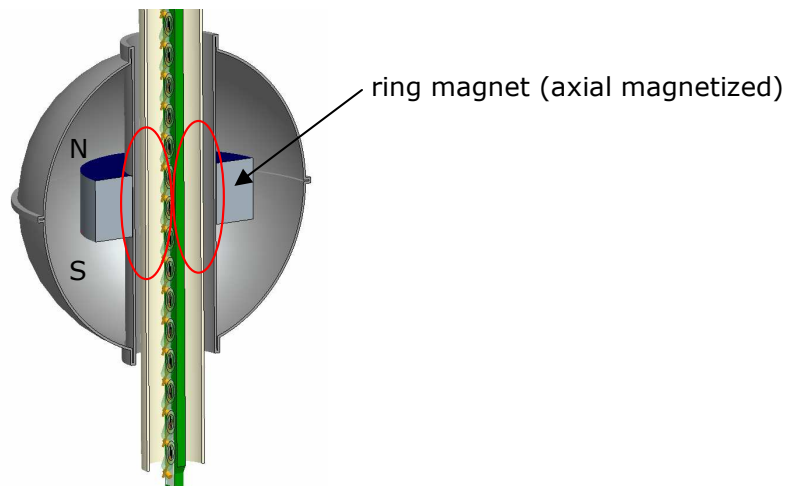


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schematic diagram



example of activation



optional evaluating processor unit

