

Documentation CAPWS01

The capacitive single button CAPWS01 can be considered as an alternative or replacement for a mechanical switch. It works according to the capacitive principle of operation and can be mounted behind glass with a thickness of up to 6mm. It is therefore ideal for use in hygienically demanding environments, in hazardous areas or in vandal-prone environments.

Optionally the CAPWS01 has a blue LED that indicates the status.

It works as a button, switch or proximity sensor, making ideal for various applications.

The CAPWS01 is supplied with a self-adhesive front and can be stuck quickly and easily behind each nonconductive surface (such as glass, acrylic, wood, plastic, ...) and after the connection it is immediately ready for operation. The surface should be free of grease before sticking.

Typical Applications

- As replacement for mechanical switches and buttons
- hygienically demanding environments (e.g. medicine, food industry, pharmacy...)
- in hazardous areas or in vandal-prone environments

Benefits

- Usage by soft touches without mechanical effort
- No moveable parts, no mechanical wear
- Closed surface, easy to clean
- Resistant against chemicals, pollution, dirt, vandalism

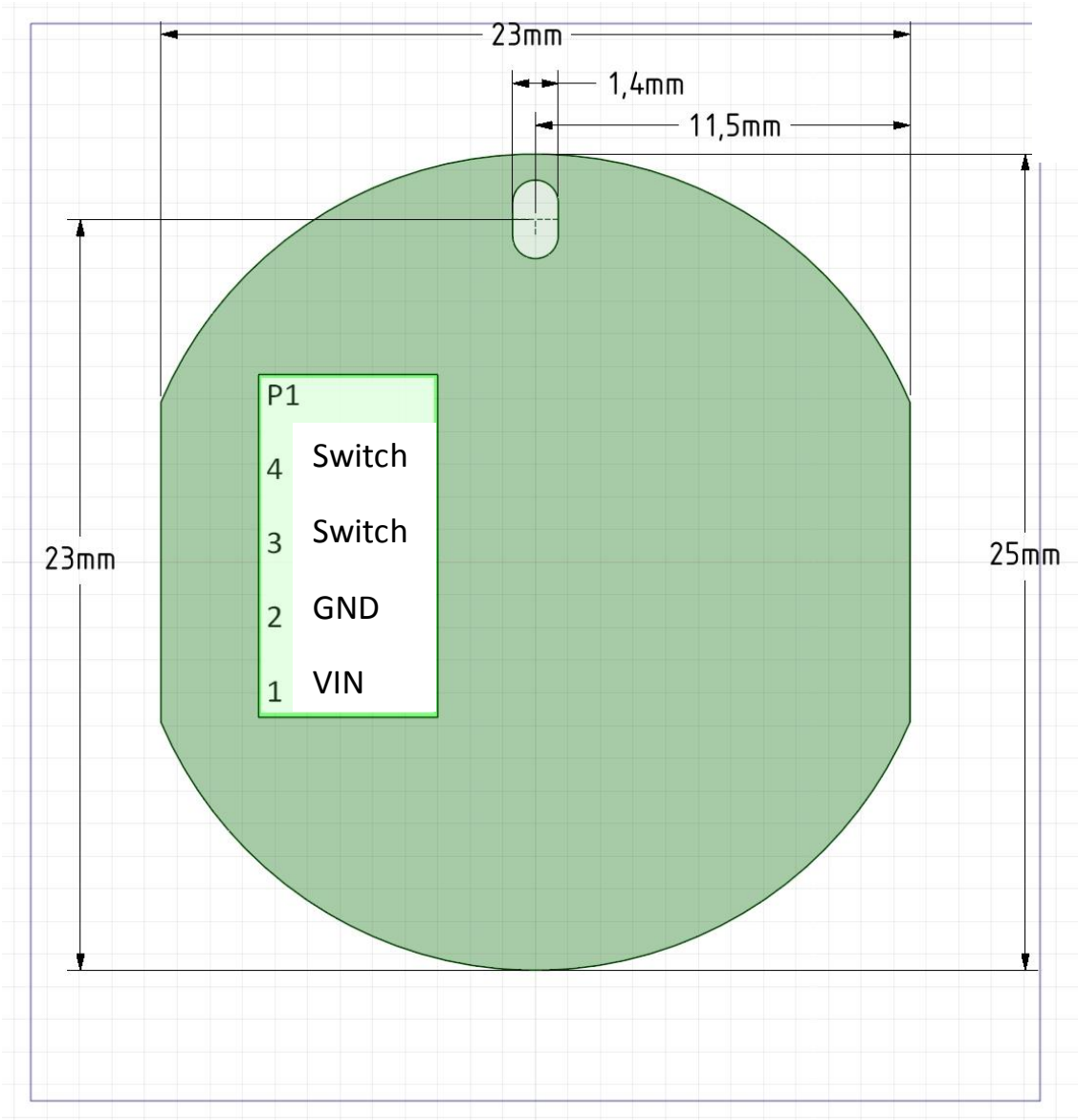
Variations

Part. No.	Function
CAPWS01/LED/SW	with blue LED, configured as switch
CAPWS01/LED/BU	with blue LED, configured as button
CAPWS01/LED/PRX	with blue LED, configured as proximity sensor
CAPWS01/SW	without LED, configured as switch
CAPWS01/BU	without LED, configured as button
CAPWS01/PRX	without LED, configured as proximity sensor

	Date	Name	Rev.
Created:	02.02.2016	A. Müller	1.0
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Part No.:	CAPWS01		

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Dimensions:



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Connections

The CAPWS01 is connected by a 4 pin connector with 2,00mm pitch (JST-PH4 or equivalent).

Pin Number	Connection
4	Switch contact 1
3	Switch contact 2
2	GND
1	V+

Technical Specifications

Operating Voltage	5V-24V DC, 50mA
Output	1 Switch, NO, max.5V/100mA
Dimension	23mm x 25 mm
Mounting	self-adhesive surface
Operating temperature	0 °C to +60° C
Storage temperature	-10° C to +75°C
Coverlense thickness	< 6mm (Mineral-Glas) or <4mm (Acryl-Glas)

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