

## Limit switch made of plastic for liquids and bulk goods

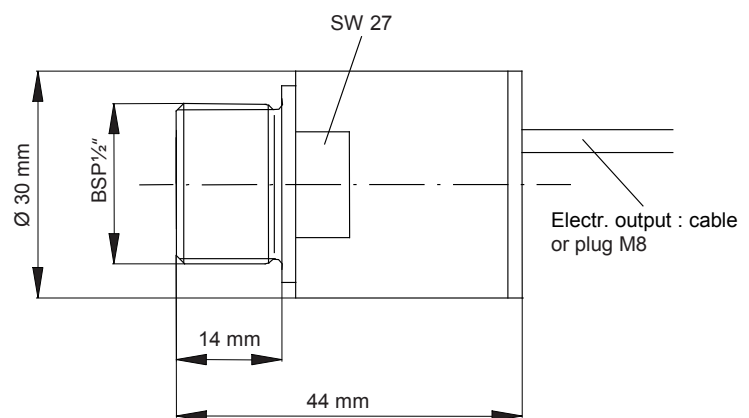
# CPS 01



### Features

- ▶ Quick and easy setting via programming by keystroke
- ▶ PNP transistor output
- ▶ Make contact or break contact
- ▶ Functional LED display
- ▶ Thread BSP $\frac{1}{2}$ "
- ▶ Electrical connection:  
Cable or plug M8
- ▶ Housing made of PVC or PVDF
- ▶ Outstanding price-performance ratio
- ▶ Small and compact

### Dimensions



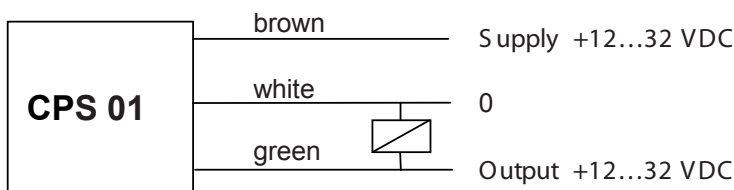
### Application:

Designed for level limit detection of liquids and powdery or fine-grained bulk goods.

Immersing the CPS 01 into the medium will cause a change in capacitance in the electrical capacitor. The change in capacitance is detected by the electronics and the switching operation is initiated.

Adjustment to the corresponding medium is carried out with the help of a programming key (programming via keystroke).

### Connection scheme



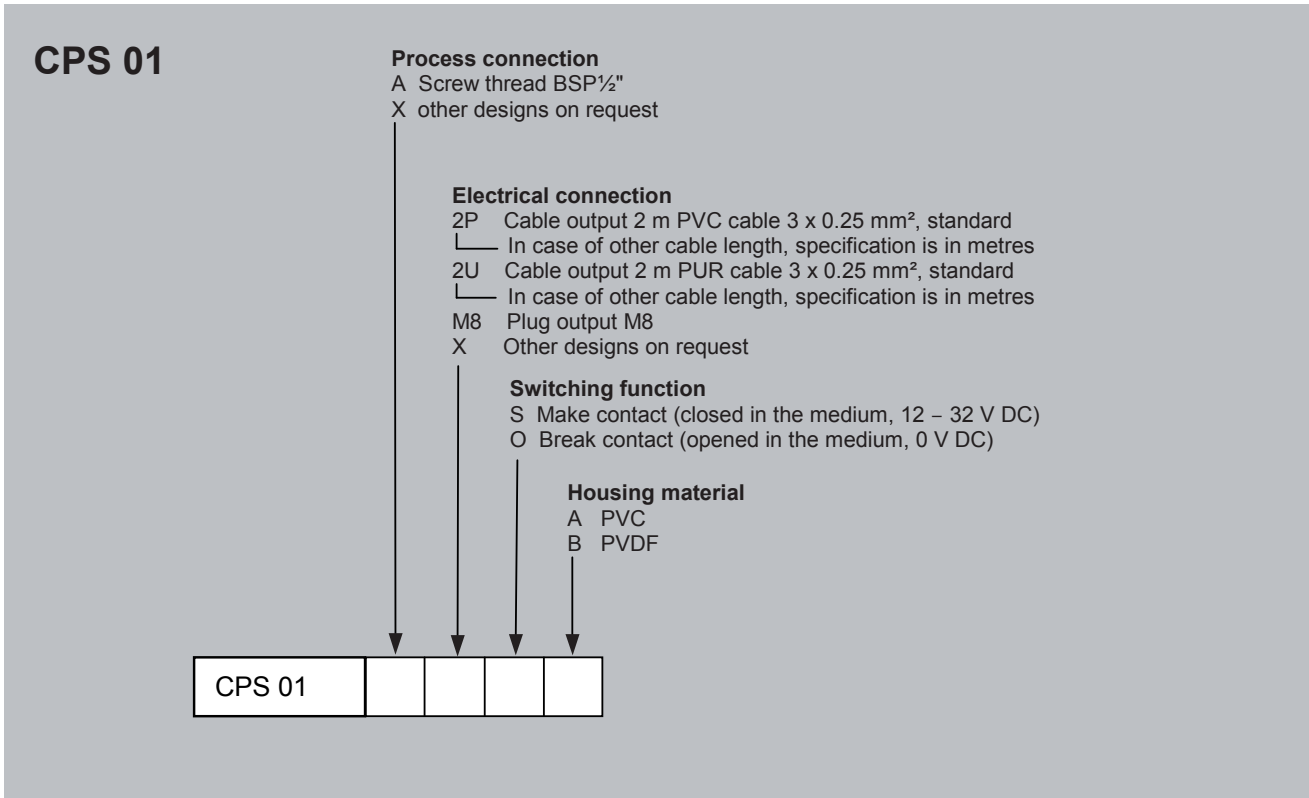
Assignment plug M8	
1	Supply +12...32 V DC
3	0
4	Output +12...32 V DC

### Technical data

<b>Max. pressure</b>	0.3 MPa	<b>Fastening screw</b>	BSP 1/2",
<b>Ambient temperature</b>	-25°C to +70°C	<b>thread</b>	Other designs
<b>Operating temperature</b>			on request
- PVC housing	-10°C to +60°C		
- PVDF housing	-30°C to +100°C		

### Electrical data

<b>Operating voltage</b>	12...32 V DC	<b>Switching state display</b>	1 LED
<b>Max. power consumption</b>	40 mA	<b>Electrical connection</b>	PVC or PUR cable
<b>Number of switching points</b>	1		3 x 0.25 mm <sup>2</sup> or plug M8,
<b>Output</b>	Protective PNP transistor,		Other designs
<b>Function</b>	Make contact or break contact		on request
<b>Protection class</b>	IP65		



**Accessory: Circular connector M8**

Design		Item number	Configuration
Coupling M8 with	2 m PVC cable	K8PVC 2	
	5 m PVC cable	K8PVC 5	
	2 m PUR cable	K8PUR 2	
	5 m PUR cable	K8PUR 5	
Angle coupling M8 with	2 m PVC cable	W8PVC 2	
	5 m PVC cable	W8PVC 5	
	2 m PUR cable	W8PUR 2	
	5 m PUR cable	W8PUR 5	

Colour identification	
1	brown
3	blue
4	black

Edition: 10/2015. Technical specifications are for information only and may change without notice.