

Capacitive sensor

Limit switch made of plastic for liquids and bulk goods

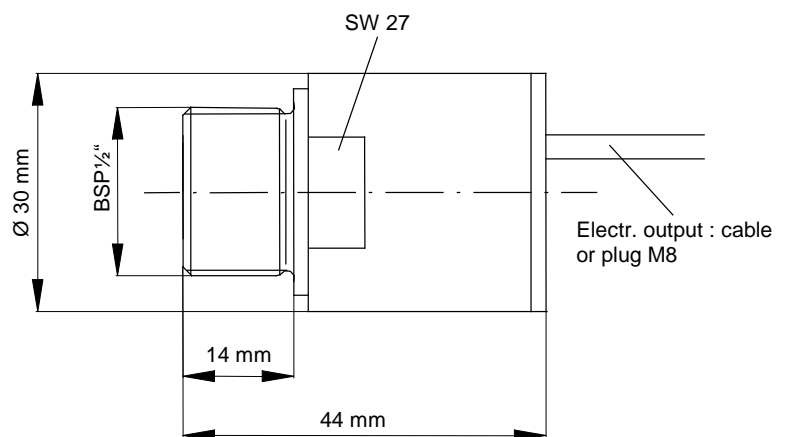
CPS 01



Features

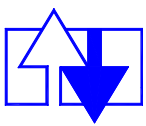
- ▶ Quick and easy setting
via programming by keystroke
- ▶ PNP transistor output
- ▶ Make contact or break contact
- ▶ Functional LED display
- ▶ Thread BSP $\frac{1}{2}$ "
- ▶ Electrical connection:
Cable or plug M8
- ▶ Housing made of PP or PVDF
- ▶ Outstanding
price-performance ratio
- ▶ Small and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

Dimensions



Application:

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

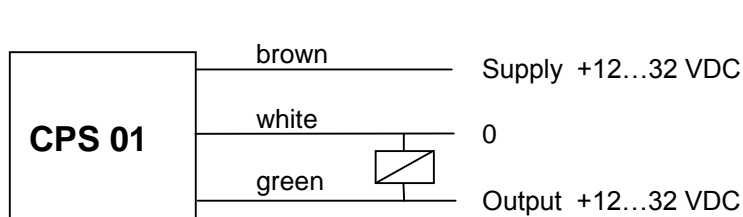


Description

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



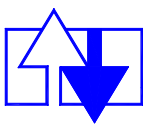
Assignment plug M8	
1	Supply +12...32 V DC
3	0
4	Output +12...32 V DC

Technical data

Max. pressure	0.3 MPa	Fastening screw	BSP 1/2",
Ambient temperature	-25°C to +70°C	thread	Other designs
Medium temperature	-30°C to a max. of +100°C		on request
Housing material	PP, PVDF		

Electrical data

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

**IMB**

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Type key, order scheme

CPS 01

Process connection
 A Screw thread BSP $\frac{1}{2}$ "
 X other designs on request



Electrical connection
 2P Cable output 2 m PVC cable 3 x 0.25 mm², standard
 └─ In case of other cable length, specification is in metres
 2U Cable output 2 m PUR cable 3 x 0.25 mm², standard
 └─ In case of other cable length, specification is in metres
 M8 Plug output M8
 X Other designs on request

Switching function
 S Make contact (closed in the medium, 12 – 32 V DC)
 O Break contact (opened in the medium, 0 V DC)

Housing material
 A PP
 B PVDF

CPS 01 [] [] [] []

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

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