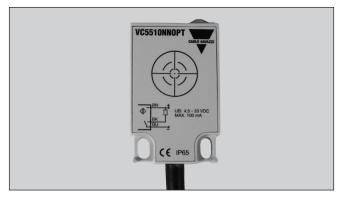
Proximity Sensors Capacitive Level Detector, Flat Pack Polycarbonate Housing Type VC 5510





- Adjustable sensing distance 2-10 mm
- Rated operational voltage: 5 to 30 VDC
- Output: DC 100 mA, NPN or PNP
- Output: ON/OFF delay or no delay
- Make or break switching function
- LED indication when activated
- 1.5 m PVC cable
- IP65

Product Description

Capacitive level detector in flat pack housing, size $35 \times 55 \times 15$ mm. Easy mounting with two M4 screws. Typical applications are in whirlpools (jacuzzis) for switching ON/

OFF the heating element, starting and stopping the air pump, controlling the level of the water, the level of the desinfection fluid etc.

Ordering Key	VC 55 10 NNOPT
Туре	
Housing	
Range	
Output type	
Housing material ——— Output ON/OFF delay ——	

Type Selection

Housing	Rated	Output	Ordering no.	Ordering no.	Ordering no.	Ordering no.
dimensions	operating		NPN	NPN	PNP	PNP
W x H x D	dist. (S _n)		Make switching	Break switching	Make switching	Break switching
35 x 55 x 15		No delay	VC 5510 NNOP	VC 5510 NNCP	VC 5510 PNOP	VC 5510 PNCP
35 x 55 x 15		ON/OFF delay	VC 5510 NNOPT	VC 5510 NNCPT	VC 5510 PNOPT	VC 5510 PNCPT

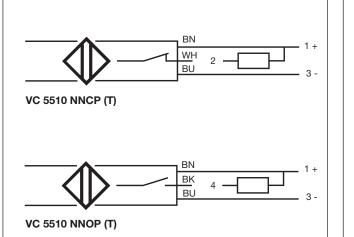
Specifications

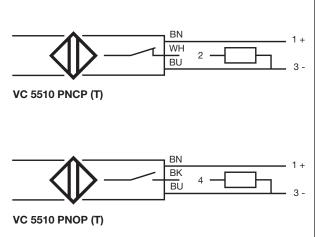
Rated operation dist. (S_n)	2-10 mm factory set at 10 mm
Sensitivity	Adj. single turn pot. meter
Effective operating dist. (S _r)	$0.9 \ x \ S_n \leq S_r \leq 1.1 \ x \ S_n$
Usable operating dist. (Su)	$0.8 \ x \ S_r \leq S_u \leq 1.2 \ x \ S_r$
Assured operating dist. (Sa)	$0 \leq S_a \leq 0.81 \ S_n$
Hysteresis (H)	3-20% of sensing dist.
Rated operational volt. (U _e)	5 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I _e) Continuous	≤ 100 mA
No-load supply current (I _o)	≤ 10 mA
Voltage drop (U _d)	\leq 1.5 VDC at max. load
Power ON delay xNxP xNxPT	Max. 40 ms Max. 5 s
Frequency of operating cycles xNxP xNxPT	≥ 15 Hz > 0.1 Hz (depending upon delay time)

Delay		
xNxP ON	t _{on} < 40 ms	
OFF	-011	
xNxPT ON	1s < t _{on} < 5 s (typ. 3 s)	
OFF	$1s < t_{OFF} < 5 s$ (typ. 3 s)	
Indication when activated	LED, red	
Environment		
Degree of protection	IP 65	
Temperature		
Operating temperature	-0° to +50°C (+32° to +122°F)	
Storage temperature	-30° to +80°C (-22° to +176°F)	
Housing material	PC/ABS, grey	
Connection		
Cable	1.5 m, 3 x 0.3 mm ²	
	grey PVC, oil proof	
Weight	40 g	
Approvals	UL	
CE-marking	Yes	

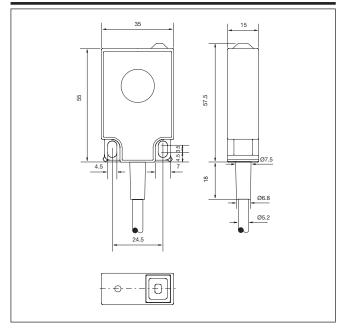


Wiring Diagrams





Dimensions



Delivery Contents

- Capacitive switch: VC 5510
- Packaging: plastic bag

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