

## ANDERSON NEGELE - CAPACITIVE LIMIT SWITCH - FOOD NCS

NCS-01, NCS-02, NCS-11, NCS-12, NCS-  
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NCS-01

- Capacitive limit switch
- Measuring range  $Dk \geq 20$
- Operating pressure max 10 bar
- Approvals: FDA; EHEDG; 3-A



### Product description

#### Application/specified usage

Limit detection of media with low or no water content like syrup, fruit concentrates, alcohols and oils with a dielectric constant  $\epsilon_r (Dk) \geq 2$

Please refer to the image below for ordering information.

**Order code**

NCS-01 (measurement range for watery media with  $D_k \geq 20$ ; CLEANadapt M12)  
 NCS-11 (measurement range for watery media with  $D_k \geq 20$ ; CLEANadapt G1/2")  
 NCS-L-11 (measurement range for watery media with  $D_k \geq 20$ ; CLEANadapt G1/2")  
 NCS-02 (measurement range for critical media with  $D_k \geq 5$ ; CLEANadapt M12)  
 NCS-12 (measurement range for critical media with  $D_k \geq 2$  (e.g. Oil, Fat, ...); CLEANadapt G1/2")  
 NCS-L-12 (measurement range for critical media with  $D_k \geq 2$  (e.g. Oil, Fat, ...); CLEANadapt G1/2")  
**Note: Only with insertion length 18 mm and 50 mm available!**

**Insertion length EL**

18 (insertion length 18 mm)  
 50 (insertion length 50 mm)  
 100 (insertion length 100 mm / only selectable for NCS-L-11)  
 150 (insertion length 150 mm / only selectable for NCS-L-11)  
 200 (insertion length 200 mm / only selectable for NCS-L-11)  
 250 (insertion length 250 mm / only selectable for NCS-L-11)  
 XXX special length (only between 60...250 mm selectable!)  
**Pay attention for the information to belated shortage of sensor rod on page 3!**

**Output**

PNP (standard, active 24 V DC)  
 NPN (NPN)

**Temperature version (see diagram on page 2)**

X (standard, for process temp. up to 100 °C, CIP/SIP 143 °C / 120 min)  
 H (high temperature version with spacer, for process temperatures up to 143 °C; not for NCS-L11 and NCS-L-12)  
 D (heater deactivated at higher ambient temperature)  
 HD (for process temperatures up to 143 °C at higher ambient temperature, with spacer and heater deactivated; not for NCS-L11 and NCS-L-12)

**Status-LED**

X (without)  
 KF (window in the lid, LED visible from outside)  
 KKF (lid with cone-shaped window, LED visible from outside)

**Electrical connection**

X (cable gland M16x1.5)  
 M12 (M12-plug 1.4305)

NCS-01 / / PNP / H / KF / M12

Specifications

Approvals	3-A, FDA
IP Class	IP67, IP69K
Length	9
Supply Voltage DC Max	32
Supply Voltage DC Min	16
Surface Finish	0,8
Temperature range of media from	0
Temperature range of media to	125
Trykmodstand max	10
Weight	500