

ANDERSON NEGELE - CAPACITIVE LIMIT SWITCH - FOOD NCS

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

NCS-L-11

- 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	100, 150, 200, 250 mm
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