

ANDERSON NEGELE - CAPACITIVE LIMIT SWITCH - FOOD NCS

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

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