

ANDERSON NEGELE - CAPACITIVE LEVEL 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 |

TECHNICAL DATA

| | |
|----------------------------|----------------------------|
| Approvals | 3-A, FDA |
| Area | Food |
| Area of application | Food |
| IP class | IP67, IP69K |
| Length | 9 |
| Material | Stainless steel |
| Material of connection | Stainless steel 1.4305 |
| Material of sensor housing | Stainless steel 1.4305 |
| Material of wetted parts | PEEK, Stainless steel 316L |
| Mounting | Direct Mount |
| Pressure resistance max | 10 bar |
| Supply voltage dc max | 32 V DC |
| Supply voltage dc min | 16 V DC |
| Surface finish | 0.8 µm Ra |
| Temperature of media from | 0 °C |
| Temperature of media to | 125 °C |

Weight

500 g