

Product information

Conductive Point Level Switch MLT420-2



- 1 point level with switching output
- integrated RTD Pt100 sensor isolated
- Process connection GHMadapt G ½" hygienic
- Round case, stainless steel type Ø 18 mm
- Flexible mounting: compact version
- No moving parts in the medium
- Sensitivity programmable
- Parameters programmable with GHMware via USB programming adapter EYY120
- Isolation between sensor, case / supply, output
- Electrode cannot be shortened afterwards

Technical data

Compact version

Supply voltage : 18..30 V DC
 Power consumption : < 3 VA
 CE-conformity : EN 61326-1:2013

Ambient conditions

Ambient temperature : -20..+70 °C
 Climatic class : EN 60068-2-38:2009
 Vibration class : EN 60068-2-6:2008, GL Test 2

Certifications

EHEDG certificate no. : 28/2011

Input

Response time : 0.05..10 s, programmable

Output

Electronic : transistor PNP, max. 30 V DC / 100 mA

Electrical connection : M12 plug 8-pole

Isolation : sensor system, case / supply, output

Case : round case, stainless steel type Ø 18 mm

Material : 1.4305

Protection class : IP67 / IP69K

Electrode

Electrode length : 15..1000 mm
 Temperature sensor : RTDv Pt100 class A, isolated
 Process temperature : -20..+100 °C, 140 °C < 30 min CIP-/SIP-capable

Process pressure : -1..+10 bar

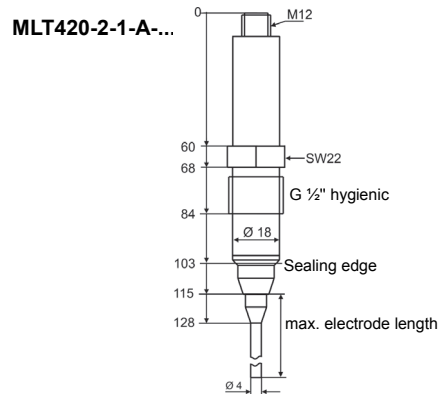
Min. media conductance : > 2µS

Process material : 1.4404, PEEK, PFA-coated, FDA conform food safe according to EHEDG conform regulation 1935/2004 & 10/2011

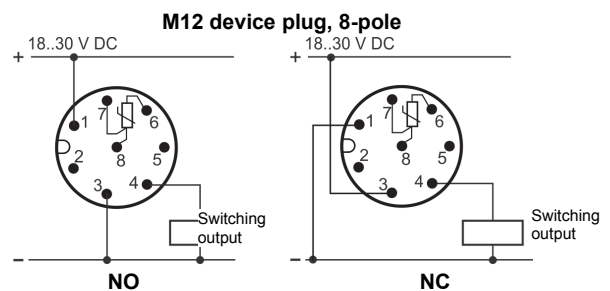
Process connection : G ½" hygienic

Stud torque : 5..10 Nm

Dimensions



Connection diagram



Cable colors:
 1 = white, 3 = green : supply voltage
 4 = yellow : output
 6 = pink, 7 = blue, 8 = red : Pt100 sensor

Order code

MLT420 - 1. - 2. - 3. - 4. - 5. - 6. - 7. - 8.

1. Process connection	
2	G ½" hygienic
2. Number of Electrodes	
1	1 electrode
3. Electrode type	
A	rod
4. Electrode length [mm]	
0015	15 (min. electrode length)
0040	40
0200	200
0500	500
1000	1000
5. Electrode surface	
0	uncoated (standard)
6. Electrical connection	
0	M12 plug
7. Options	
00	without option
8. Certificate DIN EN 10204, indicate only when required	
WZ2.2	factory certification 2.2
Accessories	
EYY120	USB programming adapter for MLx42x
ACH113	8-pole hygienic connection cable, straight
ACH123	8-pole hygienic connection cable, angular