

Product information

Conductive Point Level Switch MLT430-3



- 4 point levels with 3 switch outputs, freely configurable
- integrated RTD Pt100, isolated
- Process connection GHMadapt G 1" hygienic
- Round case, stainless steel type Ø 59 mm
- Flexible mounting: compact version
- No moving parts in the medium
- Sensitivity programmable
- Parameter programmable with GHMware via USB interface
- Isolation between sensor system, case / supply, output
- Wide range LED indicator
- Electrode E2 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

Input

Response time : selectable from 0.05..10 s

Output

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

Electrical connection : M12 plug, 8-pole

Isolation : sensor system, case / supply, output

LED indicator : red/green programmable

Case : round case, stainless steel type Ø 59 mm

LED-cap : Acrylic glass (PMMA)

Material : 1.4305

Protection class : IP67 / IP69K

Electrode : max. 4

Electrode length : 15..1000 mm

Temperature sensor : Pt100 class A, isolated

Process temperature : -20..+100 °C, 140 °C < 30 min
 CIP-/SIP-capable

Process pressure : -1..+10 bar

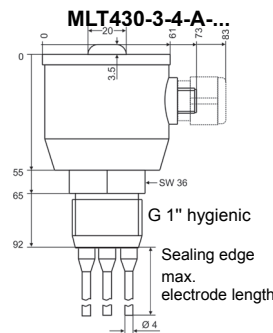
Min. media conductance : > 2µS

Process material : 1.4404, PEEK, FDA conform
 conform regulation 1935/2004 & 10/2011

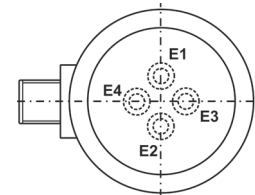
Process connection : G 1" hygienic

Stud torque : 10..20 Nm

Dimensions



Position of electrodes

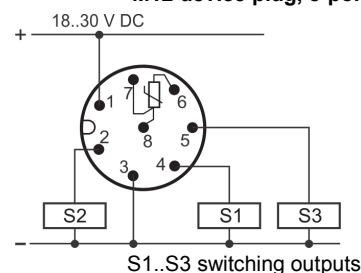


E2 = Rod with integr. Pt100 Sensor

Note:
 Electrode cannot be shortened afterwards.

Connection diagrams

M12 device plug, 8-pole



Cable colors:

- 1 = white, 3 = green : Supply voltage
- 2 = brown, 4 = yellow, 5 = grey : Outputs S1, S2, S3
- 6 = pink, 7 = blue, 8 = red : Pt100 sensor

Order code

MLT430 - 1. - 2. - 3. - 4. - 5. - 6. - 7. - 8.

1. Process connection	
3	G 1" hygienic
2. Number of electrodes	
2	2 electrodes
3	3 electrodes
4	4 electrodes
3. Electrode type	
A	rod
4. Electrode length [mm]	
0015	15 (min. length)
0200	200
0500	500
1000	1000
5. Electrode surface	
0	uncoated
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	
AMD100	Spacer for multi-rod sensors
ACI211	USB programming cable for MLx43x
ACH113	8-pole hygienic connection cable, straight
ACH123	8-pole hygienic connection cable, angular