

Product information

Conductive Level

Conductive Point Level Switch MLR430-3



- 4 point levels with 3 switch outputs, freely configurable
- Process connection GHMadapt G1" hygienic
- Round case, stainless steel type Ø 59 mm
- Flexible mounting: compact version
- No moving parts in the medium
- Sensitivity programmable
- Parameters programmable with GHMware via USB interface
- Isolation between sensor system, case / supply, output
- Wide range LED indicator

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 : selectable from 0.05..10 s

Output

3 x Electronic : transistor PNP, max. 30 V DC, 100 mA
Electrical connection : M12 plug or cable gland M16x1.5
Polyamide (PA) or stainless steel type 1.4305

Isolation : sensor system, case / supply, output

LED indicator : red/green programmable

Case : round case, stainless steel type Ø 59 mm

Material : 1.4305

LED-cap : Acrylic glass (PMMA)

Protection class : IP67 / IP69K

Electrode : max. 4

Electrode length : 15..5000 mm

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

Process pressure : -1..+10 bar

Min. media conductance : > 2µS

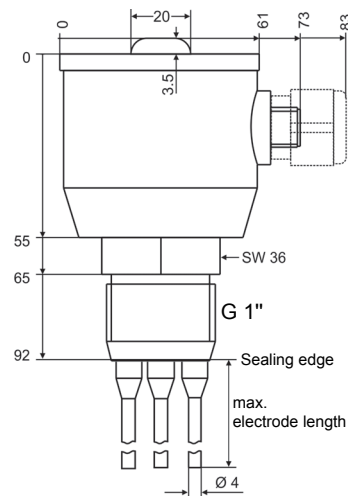
Process material : 1.4404, PEEK, PFA-coated,
FDA conform
food safe according to EHEDG
conform regulation EC 1935/2004 &
10/2011

Process connection : G1" hygienic

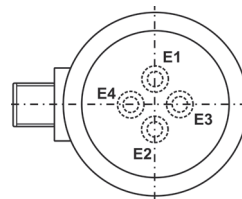
Stud torque : 10..20 Nm

Dimensions

MLR430-3-4-A-...

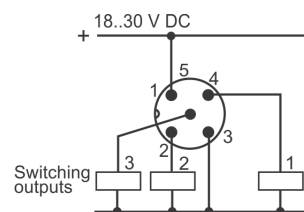


Position of electrodes

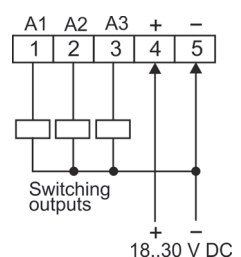


Connection diagrams

M12 device plug, 5-pole



Internal terminal



Cable colors:

1 = brown, 2 = white, 3 = blue, 4 = black, 5 = grey

Product information

Order code

MLR430 - 1. - 2. - 3. - 4. - 5. - 6. - 7. - 8.

1. Process connection	
3	G1" hygienic
2. Number of electrodes	
2	2 electrodes
3	3 electrodes
4	4 electrodes
3. Electrode type (rod or cable)	
A	rod
4. Electrode length [mm]	
0200	200
0500	500
1000	1000
1500	1500
2000	2000
2500	2500
3000	3000
3500	3500
4000	4000
4500	4500
5000	5000
XXXX	customized length (on request)
5. Electrode surface	
0	uncoated (standard)
1	0200 PFA, black coated
	0500 PFA, black coated
	1000 PFA, black coated
	1500 PFA, black coated
	2000 PFA, black coated
	customized length (on request)
6. Electrical connection	
0	M12 plug
1	cable gland, plastic (PA) M16x1.5
2	cable gland, stainless steel type (1.4305) M16x1.5
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