

Product Information

Conductive Point Level Switch MLR420-2



- 1 point level with switching output
- Process connection GHMadapt G $\frac{1}{2}$ " hygienic
- Round case, stainless steel type $\varnothing$ 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

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

Isolation : sensor system, case / supply, output

Case : round case, stainless steel type $\varnothing$ 18 mm

Material : 1.4305

Protection class : IP67 / IP69K

Electrode

Electrode length : 4..5000 mm
Process temperature : -20..+100 °C, 140 °C < 30 min
CIP-/SIP-capable

Process pressure : -1..+10 bar

Min. media conductance : > 2 μ S

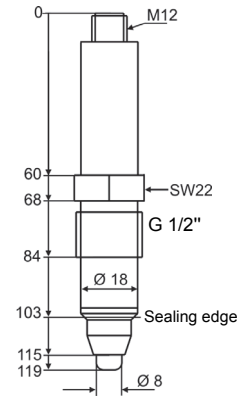
Process material : 1.4404, PEEK, PFA-coated,
FDA conform
food safe according to EHEDG
conform regulation EC 1935/2004 &
10/2011

Process connection : G $\frac{1}{2}$ " hygienic

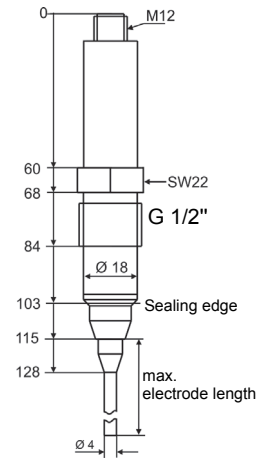
Stud torque : 5..10 Nm

Dimensions

MLR420-2-1-A-0000-...

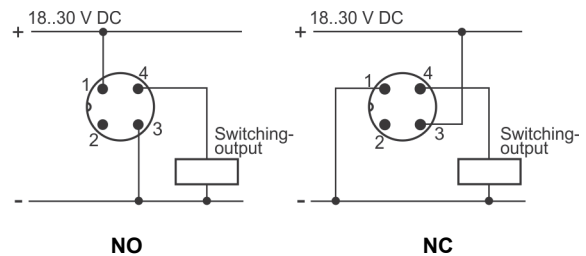


MLR420-2-1-A-...



Connection diagram

M12 device plug, 4-pole



Cable colors:

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

Product Information

Order code

MLR420 - 1. - 2. - 3. - 4. - 5. - 6. - 7. - 8.

1. Process connection	
2	G½" hygienic
2. Number of Electrodes	
1	1 electrode
3. Electrode type	
A	rod
4. Electrode length [mm]	
0000	stub rod
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	uncotaed (standard)
1	0200 PFA, black coated
	500 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
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