

Product information

Conductive Point Level Switch MLR420-1



- 1 point level with switching output
- Process connection GHMadapt M12x1.5
- 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

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 : 1

Response time : 0.05..10 s, programmable

Output : NO / NC programmable

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 Ø 18

Material : 1.4305

Protection class : IP67 / IP69K

Electrode : 1

Electrode length : 4..200 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,

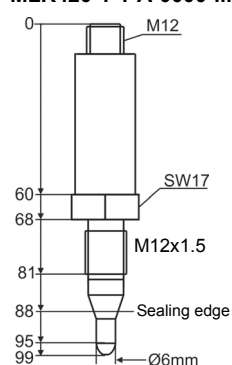
FDA conform

Process connection : M12x1.5 hygienic

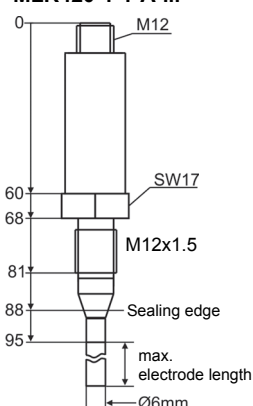
Stud torque : 5..10 Nm

Dimensions

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

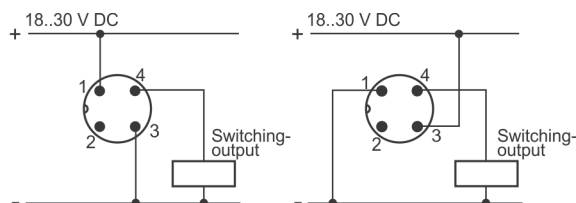


MLR420-1-1-A-...



Connection diagrams

M12 device plug, 4-pole



NO

NC

Cable colors: 1 = brown, 2 = white, 3 = blue, 4 = black

Order code

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

1. Process connection	
1	M12x1.5
2. Number of electrodes	
1	1 electrode
3. Electrode type (rod or cable)	
A	rod
4. Electrode length [mm]	
0000	stub rod
0200	200
XXXX	customized length (on request)
5. Electrode surface	
0	uncoated (standard)
1	black coated, PFA material
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