

**Product Information**

# Conductive Point Level Switch MLR420-2



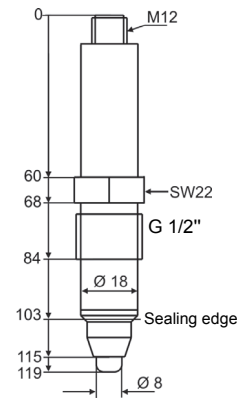
- 1 point level with switching output
- Process connection GHMadapt G $\frac{1}{2}$ " hygienic
- Round case, stainless steel type  $\varnothing$  18 mm
- Flexible mounting: compact version
- No moving parts in the medium
- Sensitivity programmable
- Parameters programmable with GHMware via USB programming adapter EYY120
- Isolation between sensor, case / supply, output

**Technical data**

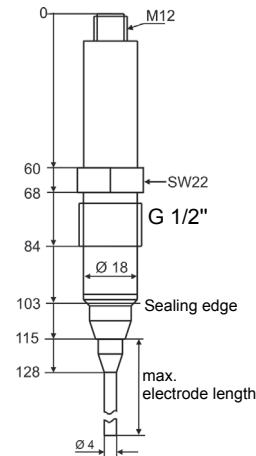
<b>Compact version</b>	
Supply voltage	: 18..30 V DC
Power consumption	: < 3 VA
CE-conformity	: EN 61326-1:2013
<b>Ambient conditions</b>	
Ambient temperature	: -20..+70 °C
Climatic class	: EN 60068-2-38:2009
Vibration class	: EN 60068-2-6:2008, GL Test 2
<b>Certifications</b>	
EHEDG certificate no.	: 28/2011
Input	: 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 $\varnothing$ 18 mm
Material	: 1.4305
Protection class	: IP67 / IP69K
Electrode	: 1
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 $\mu$ 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-...

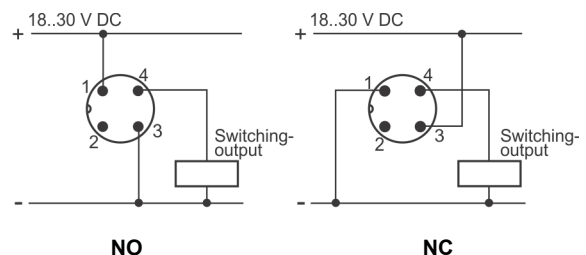


MLR420-2-1-A-...



**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.

<b>1. Process connection</b>	
2	G½" hygienic
<b>2. Number of Electrodes</b>	
1	1 electrode
<b>3. Electrode type</b>	
A	rod
<b>4. Electrode length [mm]</b>	
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)
<b>5. Electrode surface</b>	
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)
<b>6. Electrical connection</b>	
0	M12 plug
<b>7. Options</b>	
00	without option
<b>8. Certificate DIN EN 10204 (indicate only when required)</b>	
WZ2.2	factory certification 2.2

<b>Accessories</b>	
EYY120	USB programming adapter