



Füllstandssensor 2..2

This analogue float level sensor is available with a pipe length of up to 2500 mm. The fluid level sensor is also available with a 360° rotatable head which offers additional flexibility for mounting.

The float level sensor is optionally available with LCD display or remote control for simple programming.

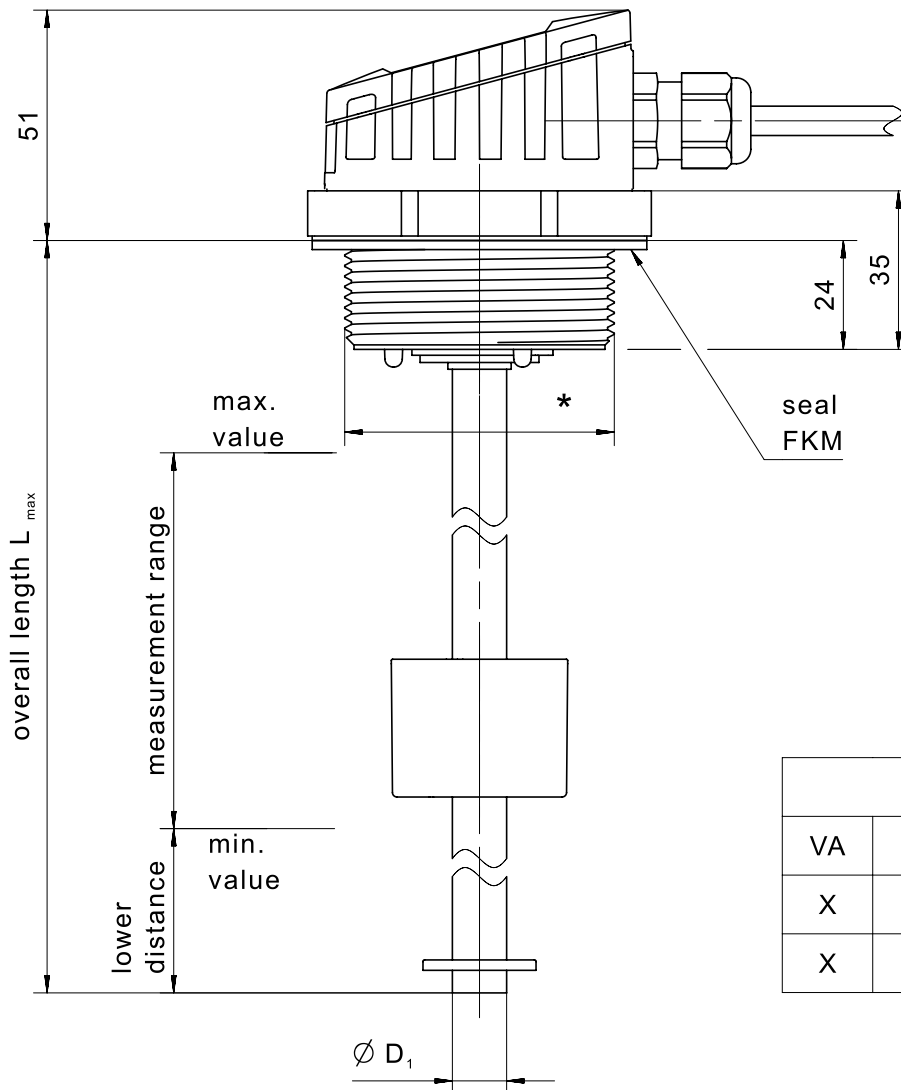
There is wide range of possible applications for this level sensor. The choice of available materials, length and resolution means it can be used in virtually any industrial or automotive application.

Product characteristics

- Level measurement on reed-contact basis
- Available mounting threads: G 1.5 , G 2 1.5 NPT or 2 NPT
- Available with pipe length up to 2500 mm (on request)
- Material: PVC, PP, PA 12, stainless steel or PVDF
- Current or voltage output available
- Up to 4 freely programmable switching points
- Measurement resolution at intervals of 10-35 mm (standard 10 mm / 20 mm)
- Temperature range from -40 °C to +85 °C
- Optionally with temperature sensor

Technical drawing

IMAGE 1/6



| tube | | | head * |
|------|-------------------|------------|------------------------|
| VA | $D_1 \varnothing$ | L_{\max} | |
| X | 12 | 1500 | G2 or G1 $\frac{1}{2}$ |
| X | 16 | 2500 | G2 or G1 $\frac{1}{2}$ |

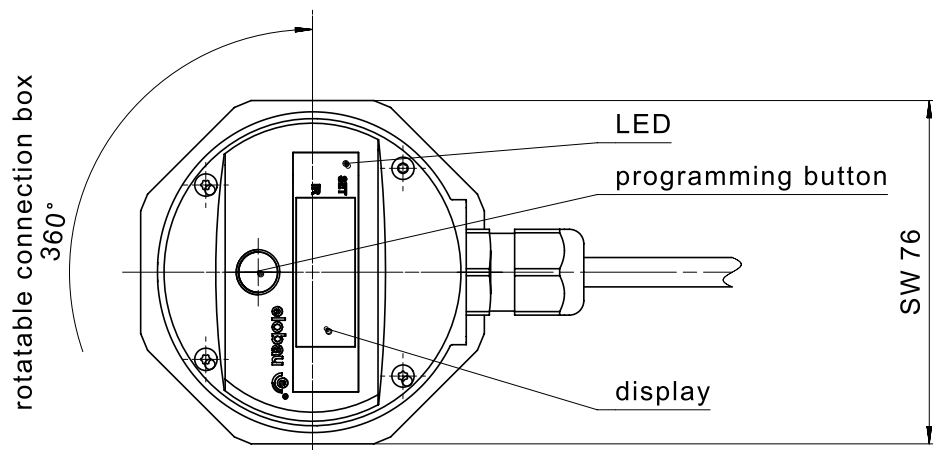


IMAGE 2/6

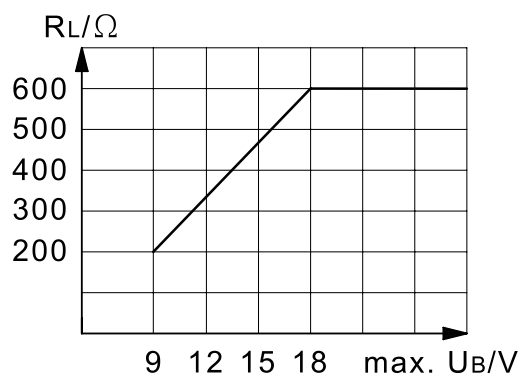
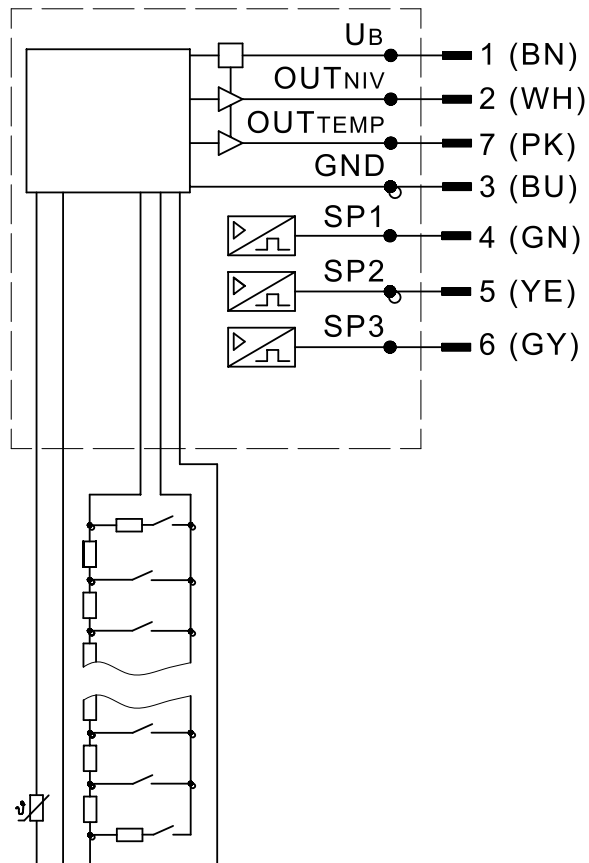


IMAGE 3/6

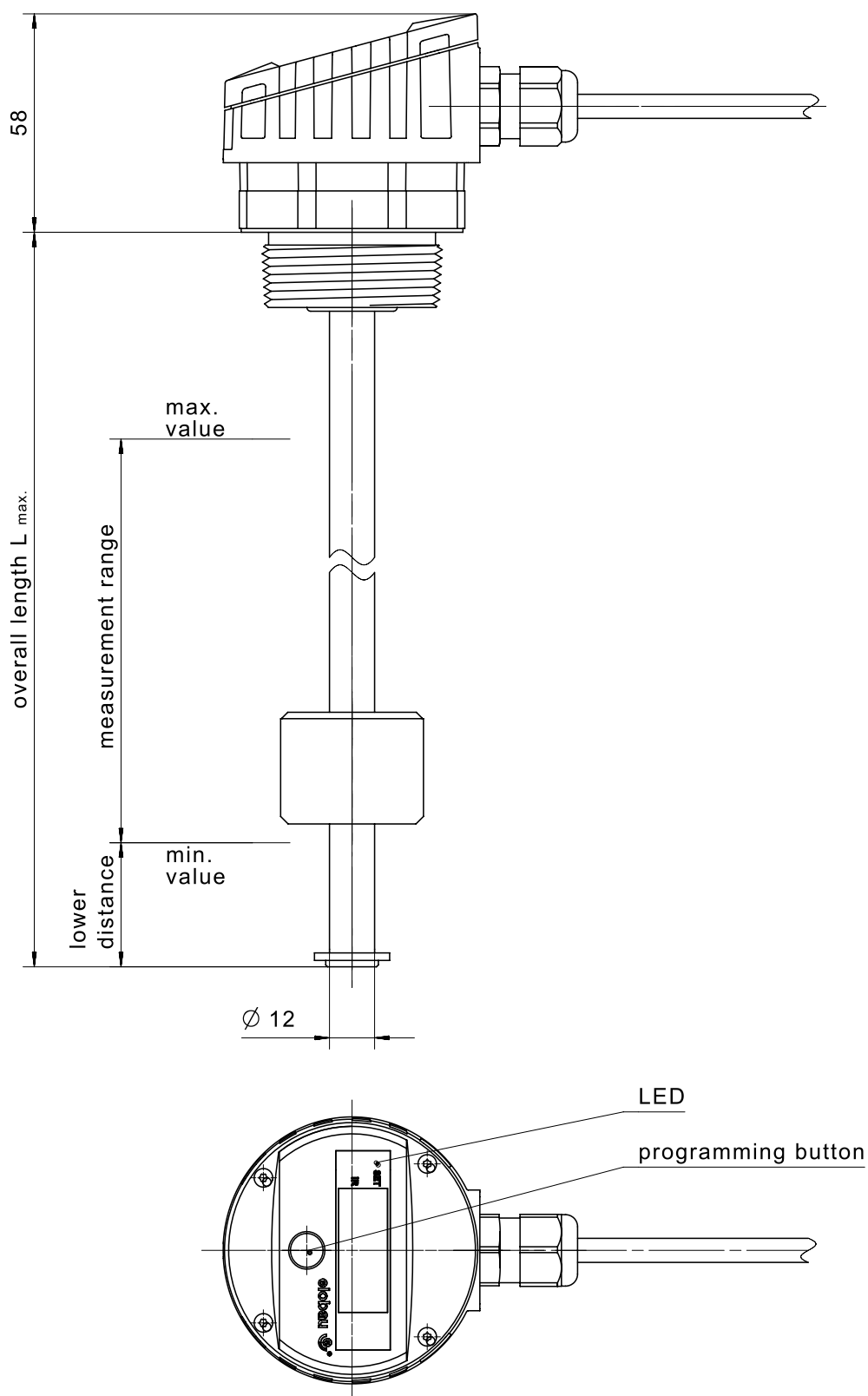
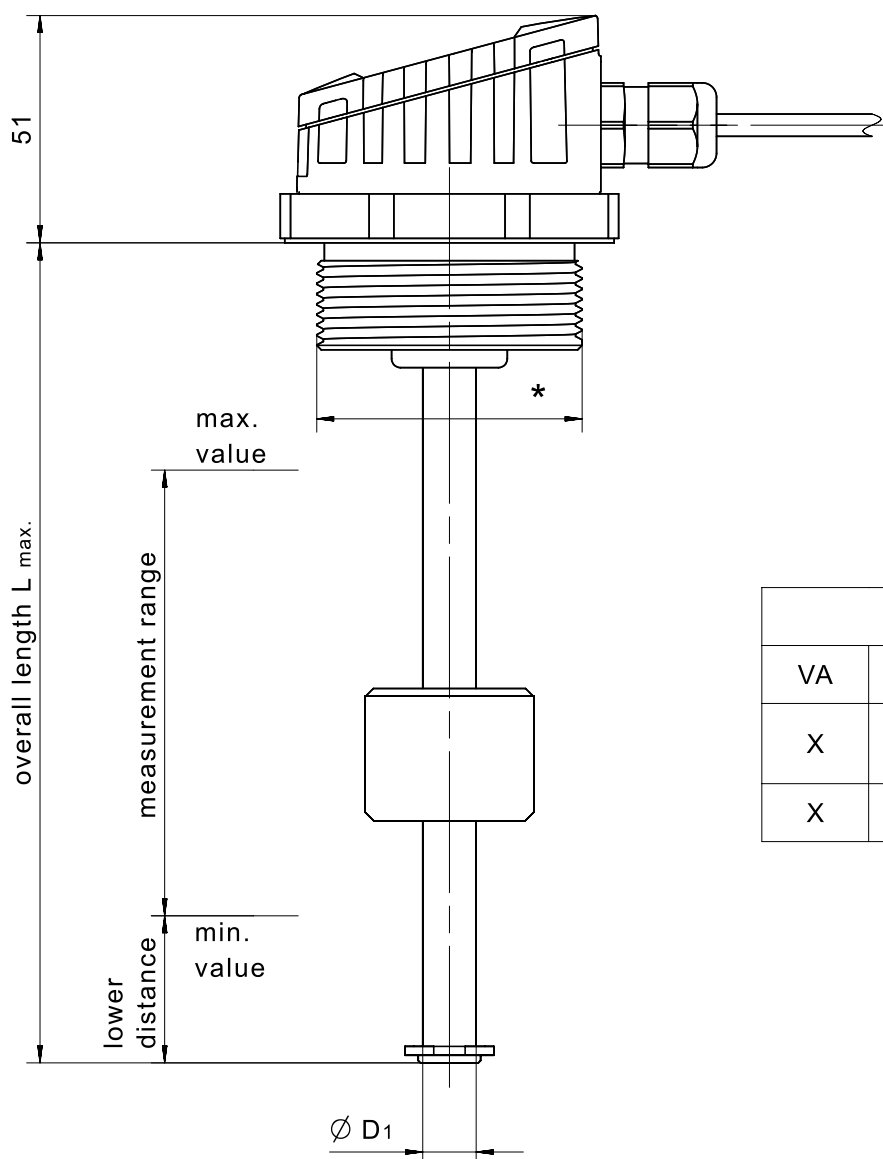


IMAGE 4/6



| tube | | | head * |
|------|-------------------|-------|--|
| VA | $\varnothing D_1$ | L max | |
| X | 12 | 1500 | G2 or G1 $\frac{1}{2}$ NPT2 or NPT1 $\frac{1}{2}$ |
| X | 16 | 2500 | G2 or NPT2 |

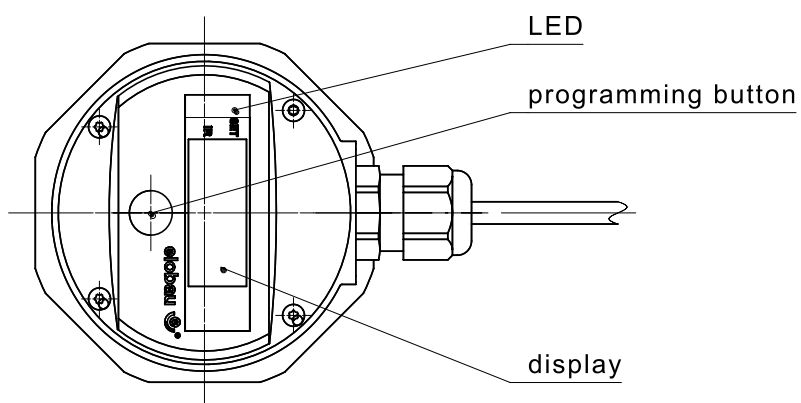
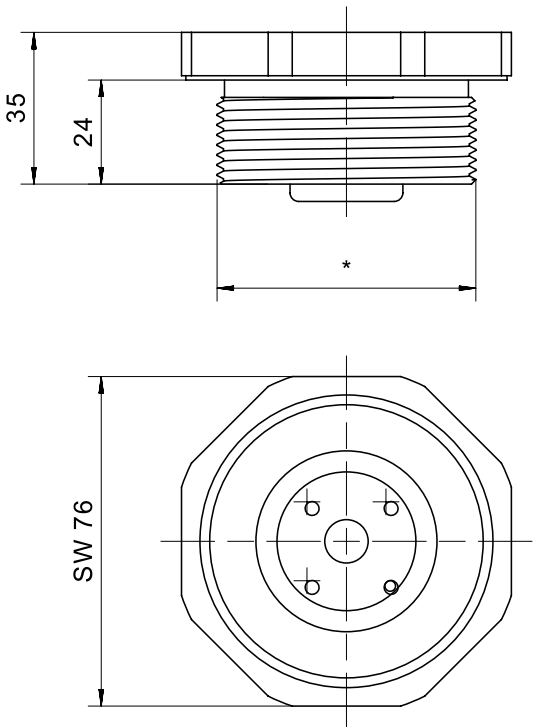
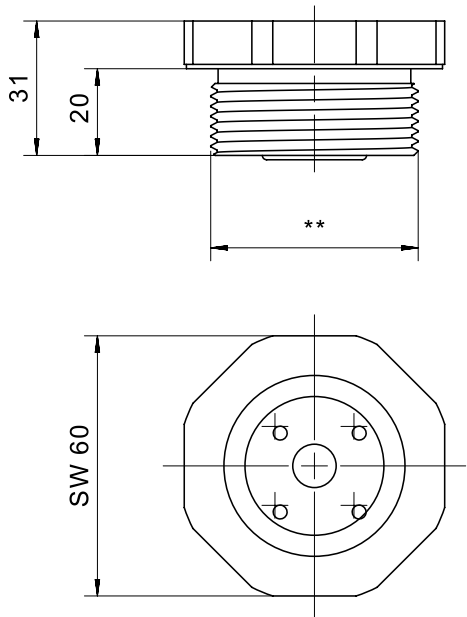


IMAGE 5/6



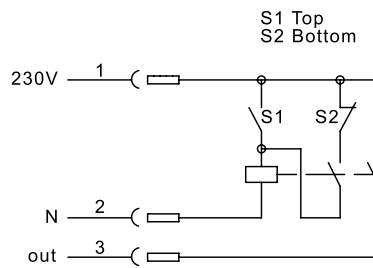
| for Ø 16 tube | for Ø 12 tube | head thread * | | material | | |
|------------------|------------------|---------------|------|----------|------|----|
| | | G2 | NPT2 | PVC | PVDF | PP |
| | x | | x | x | x | x |
| | x | x | | x | x | |
| x | | x | x | x | | |



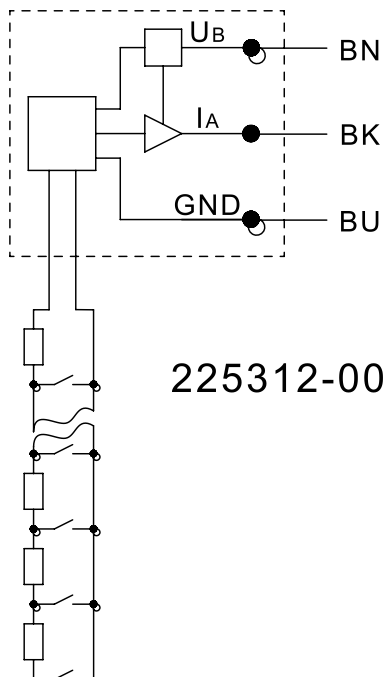
| for 1/2 tube | head thread ** | | material | | |
|-----------------|----------------|----------|----------|------|----|
| | G1 1/2 | NPT1 1/2 | PVC | PVDF | PP |
| x | x | | x | x | |
| x | | x | x | x | x |

IMAGE 6/6

222313-001

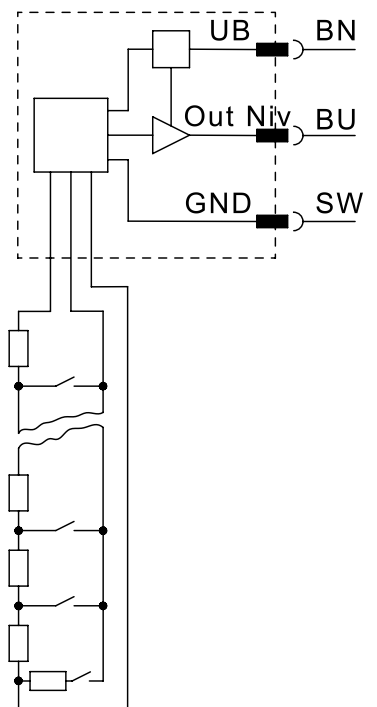
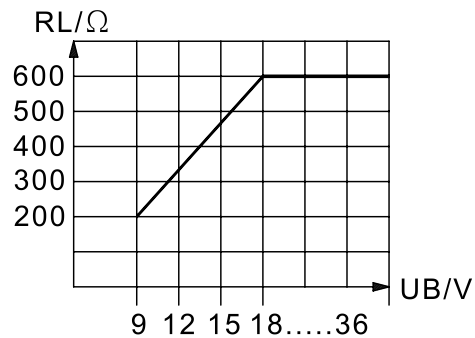


205322-003



225312-001

maximale Last am Stromausgang
maximum load on current output



Product options

IMAGE 1/1

ORDERING KEY

| 212232-001/B | 10 | G 2 | 400 | 320 | 33 |
|---------------------|----|---------|------|------|----|
| 212232-002/B | 20 | G 2 | 600 | 500 | 43 |
| 212232-003/B | 20 | G 2 | 800 | 700 | 43 |
| 212232-004/B | 20 | G 2 | 1000 | 900 | 43 |
| 212232-005/B | 20 | G 2 | 1200 | 1100 | 43 |
| 215232-001/B | 10 | G 1 1/2 | 400 | 320 | 33 |
| 215232-002/B | 20 | G 1 1/2 | 600 | 500 | 43 |
| 215232-003/B | 20 | G 1 1/2 | 800 | 700 | 43 |
| 215232-004/B | 20 | G 1 1/2 | 1000 | 900 | 43 |
| 215232-005/B | 20 | G 1 1/2 | 1200 | 1100 | 43 |

Technical properties: riser material stainless steel 1.4571, housing material PA12, float material PA12, FKM seal, display, 3 configurable switching points, temperature contact, 3m pigtail outlet with 8-pin M12 connector, rotatable head, output signal 4...20mA

Article characteristics

| Attribute | 212232.... | 215232.... |
|---|------------------------|------------|
| Min. switching voltage | 9 V DC | |
| Max. switching voltage | 32 V DC | |
| Max. switching current | 0.5 A | |
| Polarity reversal protection | yes | |
| Switching output | low-side (open drain) | |
| Output signal min. | 4 mA | |
| Output signal max. | 20 mA | |
| EMC immunity (Norm) | DIN EN IEC 61000-6-2 | |
| EMC emission (Norm) | DIN EN 55011 | |
| Operating voltage min. | 9 V DC | |
| Operating voltage max. | 32 V DC | |
| Current consumption | 68 mA | |
| Linearity error | 2 % | |
| Technology | Reed | |
| Outputs | analog + digital | |
| Number of switching outputs | 3 | |
| Temperature output | yes | |
| Lower blind zone | siehe Bestellschlüssel | |
| Spacing | siehe Bestellschlüssel | |
| Application area | Industry | |
| Rotatable head | yes | |
| Recommended minimum density of the medium | 0.65 g/cm ³ | |
| Float diameter | 39 mm | |
| Housing material | PA12 | |
| Float material | PA12 | |
| Riser material | VA 1.4571 | |
| Cable material | PVC | |
| Sealing material | FKM (Viton) | |
| Protection class, mechanical | IP67 DIN EN 60529 | |
| Operating temperature min. | -20 °C | |
| Max. operating temperature | 70 °C | |
| Min. storage temperature | -30 °C | |

Article characteristics

| Attribute | 212232.... | 215232.... |
|----------------------------------|------------------------------------|------------|
| Max. storage temperature | 80 °C | |
| Vibration resistance (Norm) | DIN EN 60068-2-6 DIN EN 60068-2-64 | |
| Pressure resistance | 3 bar | |
| ESD insulation resistance (Norm) | DIN EN 61000-4-2 | |
| Mounting type | Thread | |
| Thread | G 2 | G 1 1/2 |
| Riser diameter | 12 mm | |
| Installation opening | G 2 | G 1 1/2 |
| Torque | 40 N m | |
| Connector type | M12 | |
| Cable length | 3 m | |