



1) Display and control panel 2) Process connection 3) Housing rotatable 320°



Display/Operation

| | |
|----------------------------|-----|
| Switching function display | LED |
|----------------------------|-----|

Electrical connection

| | |
|--------------------------|-----------------------------|
| Connection | M12x1-Male, 4-pole, A-coded |
| Short-circuit protection | yes |

Electrical data

| | |
|-----------------------------|-------------|
| Current draw max. | 50 mA |
| Load cycles | 100 million |
| Operating voltage U_b | 18...36 VDC |
| Output current max. | 500 mA |
| Polarity reversal protected | yes |
| Protection class | III |
| Switching cycles min. | 100 million |
| Switching frequency | 200 Hz |

Environmental conditions

| | |
|------------------------------|--------------------|
| Ambient temperature | -25...85 °C |
| Compensation temperature | -25...85 °C |
| EN 60068-2-27, Shock | 30 g, 11 ms |
| EN 60068-2-6, Vibration | 30 g, 10...2000 Hz |
| Interference immunity | EN 61000-6-2: 2005 |
| IP rating per IEC 60529 | IP67 |
| Media temperature | -25...125 °C |
| Noise emission | EN 61000-6-4: 2013 |
| Storage temperature | -40...85 °C |
| Temperature coefficient typ. | ≤ ±0.3 % FSO/10K |

Functional safety

| | |
|--------------|-------|
| MTTF (40 °C) | 368 a |
|--------------|-------|

General data

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|---------------------|---|
| Approval/Conformity | CE cULus |
| Operating panel | 2 buttons 320° rotation 4-digit, 7-segment display, red |

Material

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|-----------------------------|--|
| Connector housing, material | Stainless steel (1.4307) |
| Gasket, material | FKM |
| Housing material | PA 6.6 |
| Measuring cell, material | Ceramic Al ₂ O ₃ |
| Process connection material | Stainless steel (1.4301) |

Mechanical data

| | |
|------------------------|-------------------|
| Process connection | G 1/4" (DIN 3852) |
| Tightening torque max. | 5 Nm |
| Weight | 230.00 g |

Output/Interface

| | |
|------------------|---|
| Analog output | Analog, current, 4...20 mA |
| Switching output | PNP Normally open/Normally closed (NO/NC) |

Range/Distance

| | |
|----------|-----------------|
| Accuracy | ±0.5 % FSO BFSL |
|----------|-----------------|

| | |
|--------------------------|----------------|
| Burst pressure | 70.00 bar |
| Long-term stability max. | 0.3 % FSO/year |
| Measuring range | 0...20 bar |
| Overload pressure | 40 bar |
| Repeat accuracy | ≤ ±0.2 % FSO |
| Resolution | ≤ 12 Bit |
| Sampling rate | 1 ms |

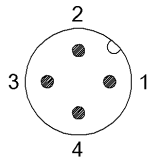
Remarks

vacuum-tight
 Permissible burden on analog output $R_{max} = 330 \text{ Ohm}$

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view



Wiring Diagram

