



Basic features

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|----------------------------|---|
| Approval/Conformity | CE IECEX ATEX WEEE |
| Basic standard | EN 60079-0 EN 60079-11 IEC 60947-5-6 |
| Ex marking | ATEX: Ex II 1G Ex ia IIC T6 Ga Ex II 1D Ex ia IIIC T65 °C Da IECEX: Ex ia IIC T6 Ga Ex ia IIIC T65 °C Da |

Display/Operation

| | |
|------------------------|----|
| Power indicator | no |
|------------------------|----|

Electrical connection

| | |
|------------------------------------|----------------------|
| Conductor cross-section | 0.34 mm ² |
| Connection type | Cable, FEP |
| Polarity reversal protected | no |
| Short-circuit protection | no |

Electrical data

| | |
|---|-------------|
| Current consumption max., damped | 1 mA |
| Operating voltage Ub | 7.7...9 VDC |
| Rated insulation voltage Ui | 12.6 V DC |
| Rated operating voltage Ue DC | 8.2 V |
| Rated series resistance Rv | 1000 Ohm |

Environmental conditions

| | |
|--------------------------------|---------------------------------------|
| Ambient temperature | -20...60 °C, depending on Ex category |
| EN 60068-2-27, Shock | Half-sinus, 30 g _n , 11 ms |
| EN 60068-2-6, Vibration | 55 Hz, amplitude 1 mm, 3x30 min |
| IP rating | IP68 |

Functional safety

| | |
|---------------------|--------|
| MTTF (40 °C) | 4110 a |
|---------------------|--------|

Interface

| | |
|------------------|-------|
| Interface | NAMUR |
|------------------|-------|

Material

| | |
|---------------------------------|-----------------|
| Housing material | Stainless steel |
| Material jacket | FEP |
| Material sensing surface | PTFE |

Mechanical data

| | |
|--------------------------|--------------------|
| Dimension | Ø 30 x 68 mm |
| Installation | for flush mounting |
| Size | M30x1.5 |
| Tightening torque | 40 Nm |

Range/Distance

| | |
|--|-------|
| Rated operating distance S_n | 10 mm |
| Repeat accuracy max. (% of S_r) | 5.0 % |
| Temperature drift max. (% of S_r) | 10 % |
| Tolerance S_r | ±10 % |

Wiring Diagrams

