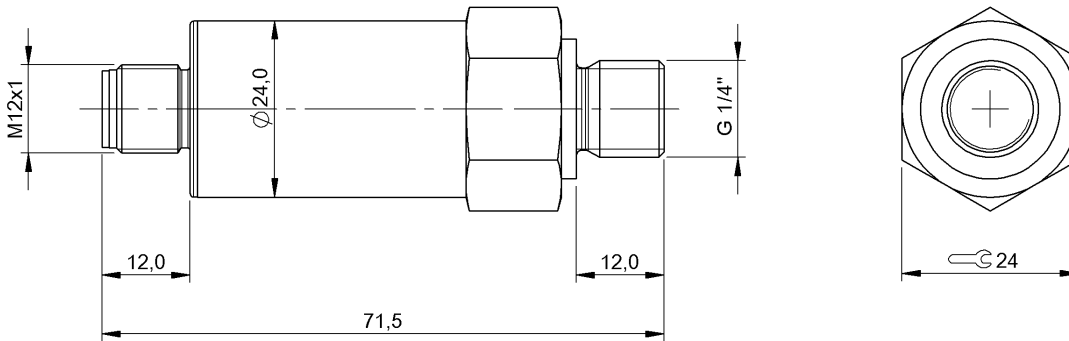


BSP B050-DV004-A06A1A-S4 BSP00H3



Electrical connection

| | |
|-----------------------------|----------------------------------|
| Connection | M12x1-Connector, 4-pole, A-coded |
| Electrical version | 2-wire |
| Polarity reversal protected | yes |
| Short-circuit protection | yes |

Electrical data

| | |
|-------------------------|-------------|
| Current draw max. | 25 mA |
| Load cycles | 100 million |
| MTTF (40 °C) | 1388 a |
| Operating voltage U_b | 8...32 VDC |

Environmental conditions

| | |
|------------------------------|--------------------------|
| Ambient temperature | -40...85 °C |
| Compensation temperature | -25...85 °C |
| EN 60068-2-27, Shock | 500 g, 1 ms |
| EN 60068-2-6, Vibration | 10 g, 25...2000 Hz |
| Interference immunity | EN 61000-6-2: 2005 |
| Medientemperatur | -40...125 °C |
| Noise emission | EN 61000-6-4: 2007 |
| Protection class | III |
| Protection type IEC 60529 | IP67 |
| Storage temperature | -40...85 °C |
| Temperature coefficient typ. | $\leq \pm 0.5$ % FSO/10K |

Functional safety

| | |
|---------------------|-------|
| Diagnostic coverage | 0.0 % |
| Functional safety | no |
| Mission Time | 0 a |

General data

| | |
|---------------------|----|
| Approval/Conformity | CE |
|---------------------|----|

Material

| | |
|-----------------------------|--------------------------|
| Connector housing, material | Nickel-plated brass |
| Gasket, material | FKM |
| Housing material | Stainless steel (1.4301) |

Mechanical data

| | |
|------------------------|----------|
| Tightening torque max. | 5 Nm |
| Weight | 120.00 g |

Output/Interface

| | |
|---------------|----------------------------|
| Analog output | Analog, current, 4...20 mA |
|---------------|----------------------------|

Range/Distance

| | |
|--------------------------|----------------|
| Burst pressure | 150.00 bar |
| Long-term stability max. | 0.3 % FSO/year |
| Overload pressure | 100 bar |
| Resolution | ≤ 14 Bit |
| Sampling rate | 1 ms |

Remarks

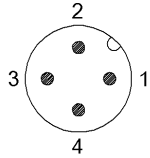
vacuum-tight
Permissible burden on analog output $R_{max} = 800$ Ohm

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.

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Connector view



Wiring Diagram

