

BSP V002-EV003-A03A0B-S4 BSP0058



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



Display/Operation

Switching function display LED

Electrical connection

Connection M12x1-Connector, 4-pole, A-coded
Polarity reversal protected yes
Short-circuit protection yes

Electrical data

Current draw max. 50 mA
MTTF (40 °C) 368 a
Operating voltage U_b 18...36 VDC
Output current max. 500 mA
Switching cycles min. 100000000
Switching frequency 200 Hz

Environmental conditions

Ambient temperature -40...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
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. $\leq \pm 0.3\%$ FSO/10K

Functional safety

Diagnostic coverage 0.0 %
Functional safety no
Mission Time 0 a

General data

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

Material

Gasket, material FKM
Housing material Stainless steel (1.4301), PA 6.6
PA 6.6

Mechanical data

Tightening torque max. 5 Nm
Weight 230.00 g

Output/Interface

Analog output Analog, current, 4...20 mA
Switching output NPN

Range/Distance

Burst pressure 7.00 bar
Long-term stability max. 0.3 % FSO/year
Overload pressure 4 bar

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Repeat accuracy	$\leq \pm 0.2 \% \text{ FSO}$
Resolution	$\leq 12 \text{ Bit}$
Sampling rate	2 ms

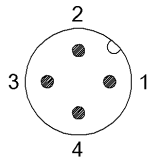
Remarks

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

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

