

Pressure transmitter for applications in hazardous areas type

Modelcode type: IS-3

Item number: 84256406

MEASURING RANGE

Measuring range 0 ... 0.25 bar

OUTPUT SIGNAL

Output signal 4 ... 20 mA, 2-wire

Permissible load in Ω $\leq (\text{power supply} - 10 \text{ V}) / 0.02 \text{ A} - (\text{cable length in m} \times 0.14 \Omega)$

Adjustability without

Electrical characteristics
 $U_i / V \text{ max} = 30 \text{ V}$
 $I_i / I \text{ max} = 100 \text{ mA}$
 $P_i = 800 \text{ mW}$ (

group
 III 750/650/550 mW)
 $C_i = 16,5 \text{ nF} + 0,2 \text{ nF/m}$
 $L_i = 0 \mu\text{H} + 2 \mu\text{H/m}$

T6 at 60 / T5 at 70 / T4 at 70

POWER SUPPLY

Power supply 10 ... 30 V DC

TIME BEHAVIOR

Settling time $\leq 2 \text{ ms}$

ACCURACY INFORMATION

Accuracy 0.5% of span

Non-linearity (BFSL] $\leq \pm 0.2 \%$ of span

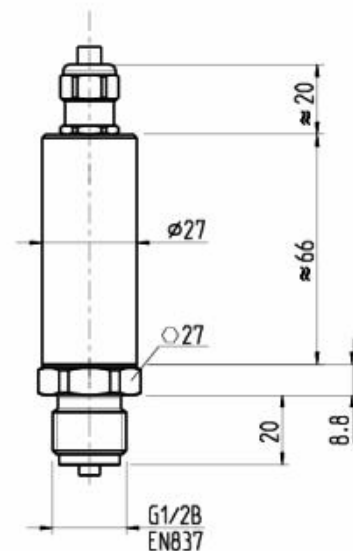
Long-term stability at reference conditions $\leq \pm 0.2 \%$ the span / year

Mean temperature coefficient of zero point (0 ... 80 °C) $\leq \pm 0,2 \%$ of span / 10 K

Mean temperature coefficient of span (0 ... 80 °C) $\leq \pm 0,2 \%$ of span / 10 K

TEMPERATURE INFORMATION

Ambient temperature Please refer to Operating Instruction



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Media temperature	Please refer to Operating Instruction
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Store temperature	-20 ... +80 °C
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PROCESS CONNECTION

Process connection	G 1/2 B EN 837
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Sealing	without
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ELECTRICAL CONNECTION

Electrical connection	cable outlet IP68 cable gland
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Cable length	2 m
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Reverse polarity protection	U+ against U-
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Insulation voltage	DC 500 V
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OPERATING ENVIRONMENT CONDITIONS

Ignition protection type	Intrinsically safe
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CE-CONFORMITY, APPROVALS AND CERTIFICATES

Pressure devices directive	2014/68/EU
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Electromagnetic compatibility (EMC)	2014/30/EU
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explosion protection (ATEX)	2014/34/EU
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Approvals	ATEX/IECEX
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Additional certifications	without
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Certificates	without
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