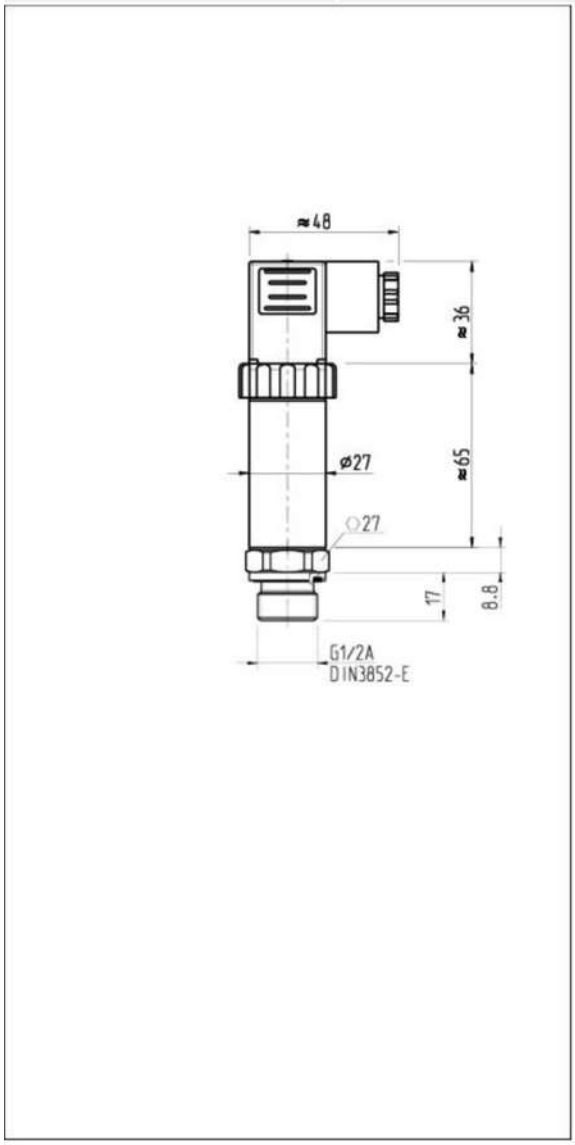
# Pressure transmitter for applications in hazardous areas type
# Type IS–3
# Item no.: 48766984

| MEASURING RANGE | |
|---|---|
| Measuring range | 0 ... 100 mbar |
| **OUTPUT SIGNAL** | |
| Output signal | 4...20 mA, 2-wire |
| Permissible load in Ω | ≤ (power supply - 10 V) / 0.02 A - (cable length in m x 0.14 Ω) |
| Adjustability | Zero/span adjustable |
| Electrical characteristics | Ui / V max = 30 V<br>Ii / I max = 100 mA<br>Pi = 800 mW (<br><br><br>group<br>III 750/650/550 mW)<br>Ci = 16,5 nF + 0,2 nF/m<br>Li = 0 µH + 2 µH/m |
| | T6 at 60 / T5 at 75 / T5 at 105 |
| **POWER SUPPLY** | |
| Power supply | 10 ... 30 V DC |
| **TIME BEHAVIOR** | |
| Settling time | ≤ 2 ms |
| **ACCURACY INFORMATION** | |
| Accuracy | 0.5% of span |
| Non-linearity (BFSL] | ≤ ±0.2 % of span |
| Long-term stability at reference conditions | ≤ ± 0.2 % the span / year |
| Mean temperature coefficient of zero point (0 ... 80 °C) | ≤ ± 0,2 % of span / 10 K |
| Mean temperature coefficient of span (0 ... 80 °C) | ≤ ± 0,2 % of span / 10 K |
| Adjustability of zero point and span | ± 5 % |
| **TEMPERATURE INFORMATION** | |
| Ambient temperature | Please refer to Operating Instruction |
| Media temperature | Please refer to Operating Instruction |
| Store temperature | -20 ... +80 °C |
| **PROCESS CONNECTION** | |
| Process connection | G 1/2 A DIN EN ISO 1179-2 (formerly DIN 3852-E) |
| Sealing | FPM/FKM |
| **ELECTRICAL CONNECTION** | |
| Electrical connection | angular connector acc. to DIN EN 175301-803 A PG9 |
| Cable length | without |
| Reverse polarity protection | U+ against U- |
| Insulation voltage | DC 500 V |

| OPERATING ENVIRONMENT CONDITIONS | |
|---|---|
| Ignition protection type | Intrinsically safe |
| **CE-CONFORMITY, APPROVALS AND CERTIFICATES** | |
| Pressure devices directive | 2014/68/EU |
| Electromagnetic compatibility (EMC) | 2014/30/EU |
| explosion protection (ATEX) | 2014/34/EU |
| Approvals | ATEX/IECEx |
| Additional certifications | without |
| Certificates | without |



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