DAC INTERNATIONAL



Pressure Switch EDS 300 shipping applications

Relative pressure

Display

2 switching outputs Analogue output



Description:

The EDS 300 is a compact, electronic pressure switch with digital display. The pressure measurement is based on a strain gauge sensor cell in stainless steel. All parts in contact with fluid are in stainless steel, and are welded together. Since no seals are required in the sensor interior, leakage is eliminated. Two relay switching outputs with N/O function and an additional analogue output signal (4 .. 20 mA) enable the pressure switch to be incorporated into modern control systems. The switch points and the corresponding hystereses can easily be adjusted via the key pad.

For optimum adaptation to a particular application, the instrument has many additional setting parameters, e.g. switching direction of the relays or switching delay

Fields of application are pressure or limit monitoring on marine transmissions, diesel engines, pumps and general hydraulic and pneumatic systems.

Approvals:

 American Bureau of Shipping



 Lloyds Register of Ships



 Det Norske Veritas Germanischer Lloyd



Bureau Veritas



Other approvals on request

Technical data:

| Measuring ranges bar 6 16 40 100 250 400 600 -15 | Input data | | | | | | | | | | |
|--|---|---------|----------|--|---------------------------------------|-----|------|------|------|------|--|
| Burst pressure bar 100 200 200 500 1000 2000 2000 100 | Measuring ranges | bar | 6 | 16 | 40 | 100 | 250 | 400 | 600 | -1 5 | |
| Mechanical connection | Overload pressures | bar | 15 | 32 | 80 | 200 | 500 | 800 | 1000 | 15 | |
| Tightening torque, recommended Parts in contact with fluid Parts in contact with fluid Mech. connection: Stainless steel Seal: FKM Output data Switching outputs 2 relay contacts Switching current: 0.01 mA 1 A Switching voltage: 10 mV 60 V (AC/DC) Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 30 W / 30 VA Switching current: 0.01 mA 1 A Switching current: 0.01 mA 1 Ma | Burst pressure | bar | 100 | 200 | 200 | 500 | 1000 | 2000 | 2000 | 100 | |
| Parts in contact with fluid Mech. connection: Stainless steel Seal: FKM Output data Switching outputs 2 relay contacts Switching current: 0.01 mA 1 A Switching voltage: 10 mV 60 V (AC/DC) Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at maximum load 0.5 million at minimum load 0.5 million at maximum load 0.5 million at minimum load 0.5 million at minimum load 0.5 million at maximum load 0.5 million at minimum load 0 | Mechanical connection | | | | G1/4 A ISO 1179-2 | | | | | | |
| Seal: FKM Output data Switching outputs 2 relay contacts Switching current: 0.01 mA 1 A Switching voltage: 10 mV 60 V (AC/DC) Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at maximum load 0.5 mill | Tightening torque, recomme | nded | | | 20 Nm | | | | | | |
| Switching outputs 2 relay contacts Switching current: 0.01 mA 1 A Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at maximum load Analogue output, permitted load resistance Accuracy acc. to DIN 16086, \$\frac{\pmax}{2} \times 0.5 \times FS typ. \$\frac{\pmax}{2} \times 0.3 \times FS / \times C typ. \$\frac{\pmax}{2} \times 0.03 \times FS / \times C typ. \$\frac{\pmax}{2} \times 0.03 \times FS / \times C typ. \$\frac{\pmax}{2} \times 0.03 \times FS / \times C max. Temperature compensation, span \$\frac{\pmax}{2} \times 0.02 \times FS / \times C typ. \$\frac{\pmax}{2} \times 0.03 \times FS / \times C max. Repeatability \$\frac{\pmax}{2} \times 0.5 \times FS max. Reaction time approx. 10 ms Long-term drift \$\frac{\pmax}{2} \times 0.3 \times FS / year Environmental conditions Compensated temperature range -10 +70 \times C Operating temperature range -25 +80 \times C Storage temperature range -25 +80 \times C Titlid temperature range -25 +80 \times C \$\frac{\pmax}{2} \times 0.0068-2-6 at 10 500 Hz \$\frac{\pmax}{2} \times 0.0068-2-6 at 10 500 Hz \$\frac{\pmax}{2} \times 0.0068-2-7 (11 ms) Protection class acc. to DIN EN 60529 \times Dis 65 Other data Supply voltage \$\frac{\pmax}{2} \times 0.00 MA Display \$\frac{\pmax}{4} \times 0.00 MA Height of digits 6.4 mm | Parts in contact with fluid | | | | | | | | | | |
| Switching current: 0.01 mA 1 A Switching voltage: 10 mV 60 V (AC/DC) Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at minimum load 0.5 million at maximum load 10 million at maximum load 10 mil | Output data | | | | | | | | | | |
| Switching voltage: 10 mV 60 V (AC/DC) Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at maximum load 0.5 million at maximum load Analogue output, permitted load resistance Accuracy acc. to DIN 16086, terminal based Accuracy acc. to DIN 16086, terminal based S± 0.5 % FS typ. terminal based S± 0.02 % FS / °C typ. S± 0.03 % FS / °C max. Temperature compensation, span S± 0.02 % FS / °C typ. S± 0.03 % FS / °C typ. S± 0.03 % FS / °C max. Repeatability S± 0.5 % FS max. Repeatability S± 0.5 % FS max. Reaction time approx. 10 ms Long-term drift S± 0.3 % FS / year Environmental conditions Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -25 +80 °C Storage temperature range -25 +80 °C (€ mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz Shock resistance acc. to DIN EN 60068-2-27 (11 ms) Protection class acc. to DIN EN 60529 ¹) IP 65 Other data Supply voltage 20 32 V DC Residual ripple of supply voltage S 5 % Current consumption Display A-digit, LED, 7 segment, red, height of digits 6.4 mm | Switching outputs | | | | 2 relay contacts | | | | | | |
| Switching capacity (ohmic resistance): 30 W / 30 VA Switching cycles (ohmic resistance): 20 million at minimum load 0.5 million at maximum load 0.5 million at maximum load Analogue output, permitted load resistance 4 20 mA Load resist. max. 400 Ω Accuracy acc. to DIN 16086, ≤±0.5 % FS typ. ≤±0.03 % FS / °C typ. ≤±0.03 % FS / °C max. Temperature compensation, zero point ≤±0.02 % FS / °C typ. ≤±0.03 % FS / °C max. Repeatability ≤±0.5 % FS max. Repeatability ≤±0.5 % FS max. Reaction time approx. 10 ms Long-term drift ≤±0.3 % FS / year Environmental conditions Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C (€ mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to DIN EN 60068-2-6 at 10 500 Hz Shock resistance acc. to DIN EN 60068-2-27 (11 ms) Protection class acc. to DIN EN 60529 ¹) IP 65 Other data Supply voltage 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA bisplay 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | Switching current: 0.01 mA 1 A | | | | | | |
| Switching cycles (ohmic resistance): 20 million at maximum load 0.5 million 0.5 m | | | | | Switching voltage: 10 mV 60 V (AC/DC) | | | | | | |
| Analogue output, permitted load resistance Analogue output, permitted load resistance Accuracy acc. to DIN 16086, terminal based S ± 0.5 % FS typ. ≤± 1 % FS max. Temperature compensation, zero point S ± 0.02 % FS / °C typ. ≤± 0.03 % FS / °C max. Temperature compensation, span S ± 0.02 % FS / °C typ. ≤± 0.03 % FS / °C max. Repeatability S ± 0.5 % FS max. Reaction time Long-term drift S ± 0.3 % FS / year Environmental conditions Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -25 +80 °C (€ mark Vibration resistance acc. to DIN EN 60068-2-6 at 10 500 Hz Shock resistance acc. to DIN EN 60529 ¹¹ Protection class acc. to DIN EN 60529 ¹¹ Protecti | | | | Switching capacity (ohmic resistance): 30 W / 30 VA | | | | | | | |
| Analogue output, permitted load resistance 4 20 mA Load resist. max. 400 Ω Accuracy acc. to DIN 16086, terminal based ≤ ± 0.5 % FS typ. ≤ ± 1.5 % FS max. Temperature compensation, zero point ≤ ± 0.02 % FS / °C typ. ≤ ± 0.03 % FS / °C max. Temperature compensation, span ≤ ± 0.02 % FS / °C typ. ≤ ± 0.03 % FS / °C max. Repeatability ≤ ± 0.5 % FS max. Reaction time approx. 10 ms Long-term drift ≤ ± 0.3 % FS / year Environmental conditions -10 +70 °C Operating temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C C € mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-2 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to 50 g DIN EN 60068-2-27 (11 ms) Protection class acc. to DIN EN 60529 ¹¹) IP 65 Other data Supply voltage ≤ 5 % Current consumption approx. 100 mA | | | | Switching cycles (ohmic resistance): | | | | | | | |
| Analogue output, permitted load resistance 4 20 mA Load resist. max. 400 Ω Accuracy acc. to DIN 16086, terminal based ≤ ± 0.5 % FS typ. Temperature compensation, zero point ≤ ± 0.02 % FS / °C typ. ≤ ± 0.03 % FS / °C max. Temperature compensation, span ≤ ± 0.02 % FS / °C typ. ≤ ± 0.03 % FS / °C max. Repeatability ≤ ± 0.5 % FS max. Reaction time approx. 10 ms Long-term drift ≤ ± 0.3 % FS / year Environmental conditions Environmental conditions Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C Cf mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to 5 50 g DIN EN 60068-2-27 (11 ms) IP 65 Other data 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, | | | | | 20 million at minimum load | | | | | | |
| Accuracy acc. to DIN 16086, terminal based | Analogue output permitted l | nad res | istance | | 4 20 m | ηΔ | | | | | |
| terminal based ≤ ± 1 % FS max. Temperature compensation, zero point ≤ ± 0.02 % FS / °C typ. ≤± 0.03 % FS / °C max. ≤± 0.03 % FS / °C max. Repeatability ≤± 0.5 % FS max. Reaction time approx. 10 ms Long-term drift ≤± 0.3 % FS / year Environmental conditions 5 ± 0.3 % FS / year Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C € mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to ≤ 50 g DIN EN 60068-2-27 (11 ms) IP 65 Other data Supply voltage 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | notarioc | | | | | | | | |
| $ \leq \pm 0.03 \% \ FS / ^{\circ}C \ max. $ Temperature compensation, span $ \leq \pm 0.02 \% \ FS / ^{\circ}C \ typ. $ $ \leq \pm 0.03 \% \ FS / ^{\circ}C \ max. $ Repeatability $ \leq \pm 0.5 \% \ FS \ max. $ Reaction time $ = \text{approx. 10 ms} $ $ = \text{Long-term drift} $ $ \leq \pm 0.3 \% \ FS / \text{year} $ The proper state of temperature range $ = -10 + 70 \ ^{\circ}C $ Compensated temperature range $ = -10 + 70 \ ^{\circ}C $ Operating temperature range $ = -10 + 80 \ ^{\circ}C $ Storage temperature range $ = -40 + 80 \ ^{\circ}C $ Storage temperature range $ = -40 + 80 \ ^{\circ}C $ Fluid temperature range $ = -25 + 80 \ ^{\circ}C $ C \notin mark $ = \text{EN } 61000 - 6 - 1 / 2 / 3 / 4 $ Vibration resistance acc. to $ = 5 25 \ Hz. \ 3.2 \ mm $ DIN EN $60068 - 2 - 6 \ at \ 10 500 \ Hz $ 25 $500 \ Hz. \ 4 \ g $ Shock resistance acc. to $ = 50 \ g $ DIN EN $60068 - 2 - 27 \ (11 \ ms) $ Protection class acc. to DIN EN $60529 \ ^{1)} $ IP $65 \ $ Other data Supply voltage $ = 20 32 \ V \ DC $ Residual ripple of supply voltage $ = 20 32 \ V \ DC $ Residual ripple of supply voltage $ = 5 \% $ Current consumption $ = 4 - 4 \ digit, \ LED, \ 7 \ segment, \ red, \ height of digits 6.4 \ mm $ | | | | | | | | | | | |
| Temperature compensation, span $≤ ± 0.02 \% FS / °C typ. ≤ ± 0.03 \% FS / °C max.$ Repeatability $≤ ± 0.5 \% FS max.$ Reaction time approx. 10 ms Long-term drift $≤ ± 0.3 \% FS / year$ Environmental conditions Compensated temperature range $-10+70 °C$ Operating temperature range $-25+80 °C$ Storage temperature range $-40+80 °C$ Fluid temperature range $-25+80 °C$ C ← mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to $-25+80 °C$ Shock resistance acc. to $-25+80 °C$ Shock resistance acc. to $-25+80 °C$ DIN EN 60068-2-6 at 10 500 Hz $-25+80 °C$ Shock resistance acc. to $-25+80 °C$ DIN EN 60068-2-27 (11 ms) Protection class acc. to DIN EN 60529 $-25+80 °C$ Other data Supply voltage $-20+80 °C$ Current consumption approx. 100 mA Display $-25+80 °C$ Current consumption approx. 100 mA Pisplay being approx. 100 mA | Temperature compensation, zero point | | | | ≤ ± 0.02 % FS / °C typ. | | | | | | |
| $ \leq \pm 0.03 \% \ FS \ / \ C \ max. $ Repeatability $ \leq \pm 0.5 \% \ FS \ max. $ Reaction time $ = \text{approx. 10 ms} $ $ \leq \pm 0.3 \% \ FS \ / \text{ year} $ $ = \text{Environmental conditions} $ Compensated temperature range $ = -10 \dots + 70 \ ^{\circ}\text{C} $ Operating temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Storage temperature range $ = -40 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Flore the maximum of the proper of the sistance acc. to $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Flore the sistance acc. to $ = -25 \dots + 80 \ ^{\circ}\text{C} $ Fluid temperature range $ = -25 \dots + 80 \ ^{\circ}\text{C} $ | | | | | | | | | | | |
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| Long-term drift≤ ± 0.3 % FS / yearEnvironmental conditions $= 10+70$ °CCompensated temperature range $= -10+70$ °COperating temperature range $= -25+80$ °CStorage temperature range $= -40+80$ °CFluid temperature range $= -25+80$ °CC € markEN 61000-6-1 / 2 / 3 / 4Vibration resistance acc. to $= 525$ Hz: $= 3.2$ mmDIN EN 60068-2-6 at 10500 Hz $= 25500$ Hz: $= 4$ gShock resistance acc. to $= 50$ gDIN EN 60068-2-27 (11 ms) $= 50$ gProtection class acc. to DIN EN 60529 1)IP 65Other data $= 2032$ V DCResidual ripple of supply voltage $= 2032$ V DCResidual ripple of supply voltage $= 590$ %Current consumption $= 2590$ mADisplay $= 490$ height of digits 6.4 mm | Repeatability | | | | | | | | | | |
| Environmental conditions Compensated temperature range -10 +70 °C Operating temperature range -25 +80 °C Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C C € mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to ≤ 50 g DIN EN 60068-2-27 (11 ms) IP 65 Protection class acc. to DIN EN 60529 ¹) IP 65 Other data Supply voltage ≥ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | Reaction time | | | - ' ' | | | | | | | |
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| Storage temperature range -40 +80 °C Fluid temperature range -25 +80 °C € mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to ≤ 50 g DIN EN 60068-2-27 (11 ms) IP 65 Protection class acc. to DIN EN 60529 ¹) IP 65 Other data Supply voltage 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | | | | | | | |
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| C € mark EN 61000-6-1 / 2 / 3 / 4 Vibration resistance acc. to 5 25 Hz: 3.2 mm DIN EN 60068-2-6 at 10 500 Hz 25 500 Hz: 4 g Shock resistance acc. to ≤ 50 g DIN EN 60068-2-27 (11 ms) IP 65 Protection class acc. to DIN EN 60529 ¹) IP 65 Other data Supply voltage 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | | | | | | | |
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| DIN EN 60068-2-27 (11 ms) Protection class acc. to DIN EN 60529 ¹) Other data Supply voltage Residual ripple of supply voltage Current consumption Display Display P 65 20 32 V DC 20 32 V DC 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | | | | | | | |
| Protection class acc. to DIN EN 60529 ¹) Other data Supply voltage Residual ripple of supply voltage Current consumption Display P 65 20 32 V DC 25 % 4-digit, LED, 7 segment, red, height of digits 6.4 mm | Shock resistance acc. to DIN EN 60068-2-27 (11 ms) | | ≤ 50 g | | | | | | | | |
| Other data Supply voltage 20 32 V DC Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | Protection class acc. to DIN EN 60529 1) | | | IP 65 | | | | | | | |
| Residual ripple of supply voltage ≤ 5 % Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | | | | | | | |
| Current consumption approx. 100 mA Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | 20 32 V DC | | | | | | | |
| Display 4-digit, LED, 7 segment, red, height of digits 6.4 mm | Residual ripple of supply voltage | | | ≤ 5 % | | | | | | | |
| height of digits 6.4 mm | Current consumption | | | | approx. 100 mA | | | | | | |
| | Display | | | 4-digit, LED, 7 segment, red, height of digits 6.4 mm | | | | | | | |
| | Weight | | | | ~ 300 g | | | | | | |

Note: Reverse polarity protection of the supply voltage, overvoltage, override and short circuit

protection are provided.

FS (Full Scale) = relative to complete measuring range

1) With mounted mating connector in corresponding protection class

Setting options:

All settings available on the EDS 300 are grouped in 2 easy-to-navigate menus. In order to prevent unauthorised adjustment of the device, a programming lock can be set.

Setting ranges for the switching outputs:

Switch point function

| Measuring range in bar | Switch point in bar | Hysteresis in bar | Incre- ment* in bar |
|------------------------|---------------------|-------------------|---------------------------|
| -1 5 | -0.85 5 | 0.05 5.9 | 0.05 |
| 0 6 | 0.15 6 | 0.05 5.9 | 0.05 |
| 0 16 | 0.3 16 | 0.1 15.8 | 0.1 |
| 0 40 | 0.6 40 | 0.2 39.6 | 0.2 |
| 0 100 | 1.5 100 | 0.5 99.0 | 0.5 |
| 0 250 | 3.0 250 | 1.0 248.0 | 1.0 |
| 0 400 | 6.0 400 | 2.0 396.0 | 2.0 |
| 0 600 | 15.0 600 | 5.0 590.0 | 5.0 |

* All ranges given in the table can be adjusted by the increments shown.

Additional functions:

- Scale of the measuring range adjustable (bar
- Switching direction of the relays adjustable (N/C or N/O function)
- Switch-on and switch-off delay adjustable from 0.0 .. 75.0 seconds
- Choice of display (actual pressure, peak value, switch point 1, switch point 2, display
- Subsequent correction of zero point in the range ± 3 % FS possible

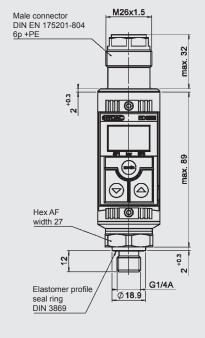
Pin connections:

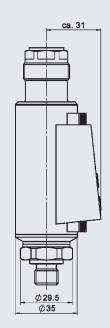
DIN EN 175201-804



| Pin | EDS 347-4 |
|--------------------|-----------------------|
| 1 | +U _B |
| 2 | Centre relay 1 and 2 |
| 3 | Relay contact 1 (SP1) |
| 4 | 0 V |
| 5 | Analogue |
| 6 | Relay contact 2 (SP2) |
| $\overline{\perp}$ | Housing |

Dimensions:







Model code:

EDS 3 <u>4</u> <u>7</u> – <u>4</u> – <u>XXX</u> – <u>SXX</u>

Mechanical connection

= G1/4 A ISO 1179-2

Electrical connection

= male DIN EN 175201-804, 6 pole + PE (ZBE 10 mating connector not supplied)

Output

= 2 switching outputs and 1 analogue output

Measuring ranges in bar

006; 016; 040; 100; 250; 400; 600

Modification number

S00 = version in bar (except -1 .. 5 bar)

S13 = vacuum version -1 .. 5 bar (in connection with measuring range "006")

Accessories available: (not supplied with instrument)

ZBE 10 mating connector DIN EN 175201-804, 6 pole + PE, right-angle Part no.: 654527

ZBM 300 clamp for wall-mounting - screw-type fitting -Part no.: 906385 ZBM 310 clamp for wall-mounting - weld-type fitting -Part no.: 6011511

More detailed information on accessories as well as on further accessories such as mating connectors can be found in the Accessories brochure.

Note:

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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