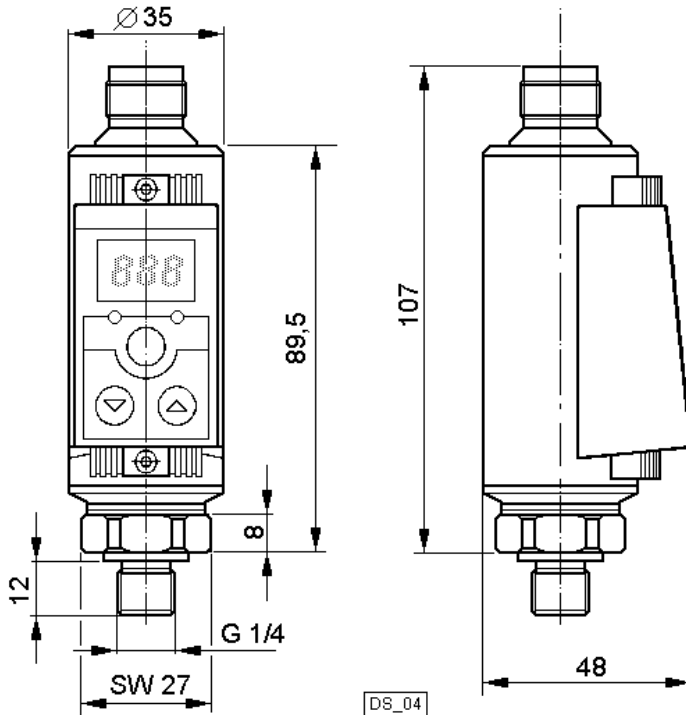
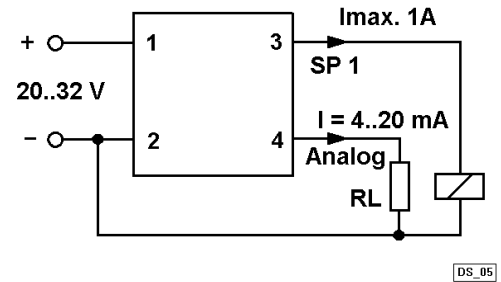


Part No. 234-13161-5 0 - 600 bar

DIMENSIONS



CONNECTION DIAGRAM



Design

The electronic pressure switch is equipped with 1 digital display, 1 switching output and 1 analog output. The switching point and the hysteresis can be adjusted via keys. The pressure switch is built with integrated electronic and the parts in contact with media are made of stainless steel. It has a solid pressure cell with DMS on a stainless steel membrane and is maintenance-free. If faults do arise please send the complete unit to us. Interference by not authorized personnel will invalidate all warranty claims.

Mounting

The pressure switch can be fitted directly to the pressure connection via the G1/4" threaded connection (DIN 3852). The tightening torque should be approx. 20 Nm . The electrical connection should be carried out by a qualified electrician. In the case of hose-mounting, the housing must be earthed separately.

Technical Data

Input data:	
Measuring range:	600 bar
Overload pressure:	900 bar
Burst pressure:	300 % FS
Output data:	
Accuracy:	≤1% FS
Analog output:	
Signal:	4 .. 20 mA, ohmic resistance ≤ 400 Ω
Switching output:	
Type:	PNP-transistor output
Switching current:	max.- 1 A
Life expectancy:	≥ 20 million cycles

Technical data continued

Ambient conditions:	
Operating temperature range:	-25...+80°C
CE-mark:	EN 50081-1 und -2, EN 50082-1 und -2
Vibration resistance:	approx. 10 g / 0 .. 500 Hz
Other data:	
Supply voltage:	20 ... 32 V
Electrical connection:	4 pole Binder plug, series 714M18, included in scope of delivery
Current consumption:	approx. 100 mA
Safety type:	IP 65
Hydraulical connection:	G 1/4" A to DIN 3852, torque rating 17 .. 20 Nm
Parts in contact with medium:	stainless steel, Viton seal
Material of housing:	tube: Stainless steel keypad housing: PA6.6Gf30
Display:	3-digit, 7-segment LED, red, height of digits: 9.2 mm
Weight:	approx. 300 g

Note: FS (Full Scale) = relative to the full measuring range

Setting options

All the available settings are combined in two easy-to-follow menus. To prevent unauthorized adjustment of the unit, a program disable can be activated.

Setting ranges of the switching point and/or switch-back hysteresis

measuring range (bar)	switching point (bar)	hysteresis (bar)	increment (bar)
600	15.0 .. 600	5.0 .. 590	5.0

Additional functions

- Switching direction of the switching output adjustable (N/O or N/O function)
- Switch-on delay adjustable between 0.00 .. 2.5 seconds
- Switch-back delay adjustable between 0.00 .. 2.5 seconds
- Choice of display (current pressure, switching point, display dark)
- Subsequent correction of zero point in the range of ± 3% FS possible

Switching point / switch-back point

The switching point is defined as being the pressure value, which when reached (whilst pressure is increasing), causes a change in the switching output. This output state is maintained until the pressure falls below the switch-back hysteresis allocated to the switching point. The switch-back point is determined by the switch-back hysteresis which has been set (switching point minus switch-back hysteresis = switch-back point)

