

Features

Compact pressure unit

with display of excellent luminosity, analogue output and switch function

- **Pressure sensor element**
of stainless steel with high overload capacity
- **Analogue output: 4...20 mA or 0...10 DCV**
for purpose of control and recording
- **High operating reliability**
designed for >10 million load cycles, vibration 25 g RMS
- **Easy to operate**
all working parameters can be adjusted when the pressure units are installed at a process system
- **EMV-stability according to IEC 801**
- **Protection category IP 65**



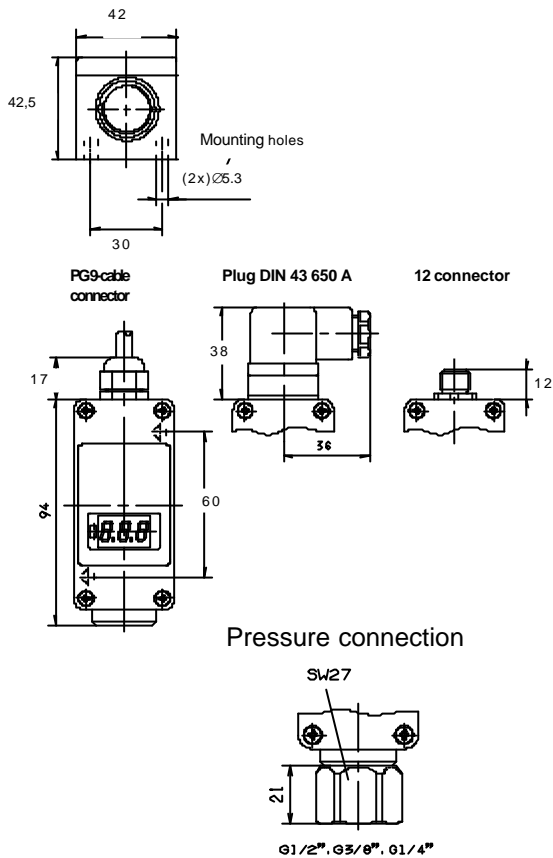
Pressure range [bar]	0 - 10	0 - 25	0 - 40	0 - 100	0 - 250	0 - 400	0 - 600
Supply voltage	16 - 32 VDC inclusive permissible ripple of 30 %						
No load current	≤ 50 mA						
Switch output	PNP, N.O./N.C., short circuit protection and protected against reverse polarity						
• Range of adjustment	4 .. 100 % of FS						
• Output current	≤ 250 mA						
• Voltage drop	≤ 2,5 V						
• Switching time	typ. 50 ms						
• Temperature drift	typ. 0,15 % of FS/10 K						
• Switching-hysteresis *)	2 % of FS						
Relay output (option **)	Two-way-contact, galvanically isolated						
• Output current	≤ 1A						
• Contact rating/voltage	≤ 30 W/≤ 40 V						
Digital-Display	3 x 7-segments-LED-display, resolution ≤ 0,4 % of FS						
Switching indication	red LED						
Analogue output	4 - 20 mA or 0 - 10 VDC (≤ 5 mA), resp. time ≤ 4 ms, short circuit protection,						
• Linearity	± 0,5 % of FS						
• Reproducibility	± 0,1 % of FS						
Permitted ambient temperature	- 25 °C ... 80 °C						
Pressure connection	G 1/4", G 3/8", G1/2"						
Material of body/pressure cell	1.4305/1.4542						
Material of housing	Makralon 8030						
Electrical connection	Plug DIN 43 650 A or PG 9 - cable connection or M12-connector						

*) Pressure switches with adjustable hysteresis, 2 % of FS are the smallest available hysteresis

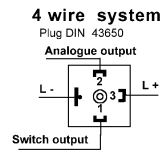
**) Relay-option only with PG 9 - cable connection

FS ≙ Rated Pressure

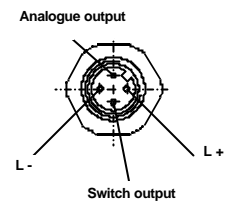
Dimensions in mm



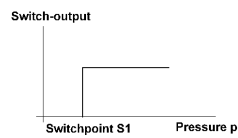
Electrical connections



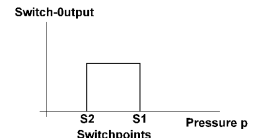
M12 connector



Adjustable operating modes:



Operating mode 1



Operating mode 2

Pressure Range										
• 0 – 10 bar			0	1	0					
• 0 – 25 bar			0	2	5					
• 0 – 40 bar			0	4	0					
• 0 – 100 bar			1	0	0					
• 0 – 250 bar			2	5	0					
• 0 – 400 bar			4	0	0					
• 0 – 600 bar			6	0	0					
Analogue Output										
• 0 - 10 VDC								G		
• 4 - 20 mA								S		
• 0 - 20 mA								O		
Pressure Connection										
• G 1/2 "								1		
• G 3/8 "								2		
• G 1/4 "								4		
Electrical Connection										
• DIN 43650 4 wire plug										2
• PG 9 - cable connection										3
• M12 - Connector										4
Options										
• Storage of max. pressure										1
• Relay										2
• Adjustable Hysteresis										4
Order Specification	DW3	x	x	x	-	R	x	x	-	S x x