

pressure sensor

PRODUCT: pressure sensor

DESIGN: 56 round



- compact robust housing
- sensor element from stainless steel
- programmable zero point shift
- EMC stability according to IEC 801

technical data

Supply voltage	16 - 32 VDC inclusive permissible ripple of 30 %
No load current	≤ 50 mA
Analogue output	0 - 10 VDC or 4 - 20 mA, short circuit protection
• Accuracy	± 1,0 % of FS
• Reproducibility	± 0,5 % of FS
• Range Adjustment	100 % of FS to 50 % of FS
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 for compensated range from -20 °C to 80 °C
• Switching-hysteresis *)	2 % of FS or adjustable
Relay output (option)	One-way-contact, galvanically isolated
• Output current	≤ 1A
• Contact rating/voltage	≤ 30 W/≤ 40 V
Digital-Display	3 x 7-segments-LED-display
Switching indication	red LED
Line temperature	- 20 °C to 80 °C, for CIP-cleaning up to 130 °C
Permitted ambient temperature	- 25 °C to 80 °C
Pressure connection	G 1/2" A flush mounted diaphragm, CIP-version, rotatable 350 ° against housing
Material of body	1.4571
Material of housing and cap	Stainless steel 1.4305
Electrical connection	M12-connector

FS ≙ Rated Pressure

Dimensions in mm

Rotatable against Housing 350°

Welding Scoop

Electrical Connection

M12 connector

Analogue output/white)

L-/blue (3)

Relay P/gray (5) (Option)

L+/brown (1)

Switch output/black (4) (Option: Relay/N.O.)

Adjustable Operating Modes for the Switch Output

Operating Mode Standard

Operating Mode Window

Operating Mode Hysteresis

article number: **DW98C892** **0 to 25bar**

Warning: Never use these devices in applications where the safety of a person depends on their functionality!