

Pressure sensor DSC3

Digital pressure switch with hysteresis and window function mode



	Oil or fluid grease up to NLGI 0
	0 to 100 bar (1 450 psi)
	-25 to +80 °C (-13 to 176 °F)
	2 x PNP
	2 x G1/8 via t-connector
	M12×1 4-pin socket



Applications

- Machine tools
- Printing machines
- Wind turbines
- Service vehicles
- Steel and heavy industries

Product information



Description

DSC3 sensors are electronic pressure switches with an integrated digital display for relative pressure measurement. They are used primarily for pressure monitoring. Depending on the design, they also can assume control functions. Pressure switch points, pressure indication and the switching logic can be configured and programmed easily. The display is a pivoted, four-digit, digital display. DSC3 can be integrated into lubrication line. It operates in switching point, hysteresis, and window function modes. The switching mode can be programmed separately for each output.

Features and benefits

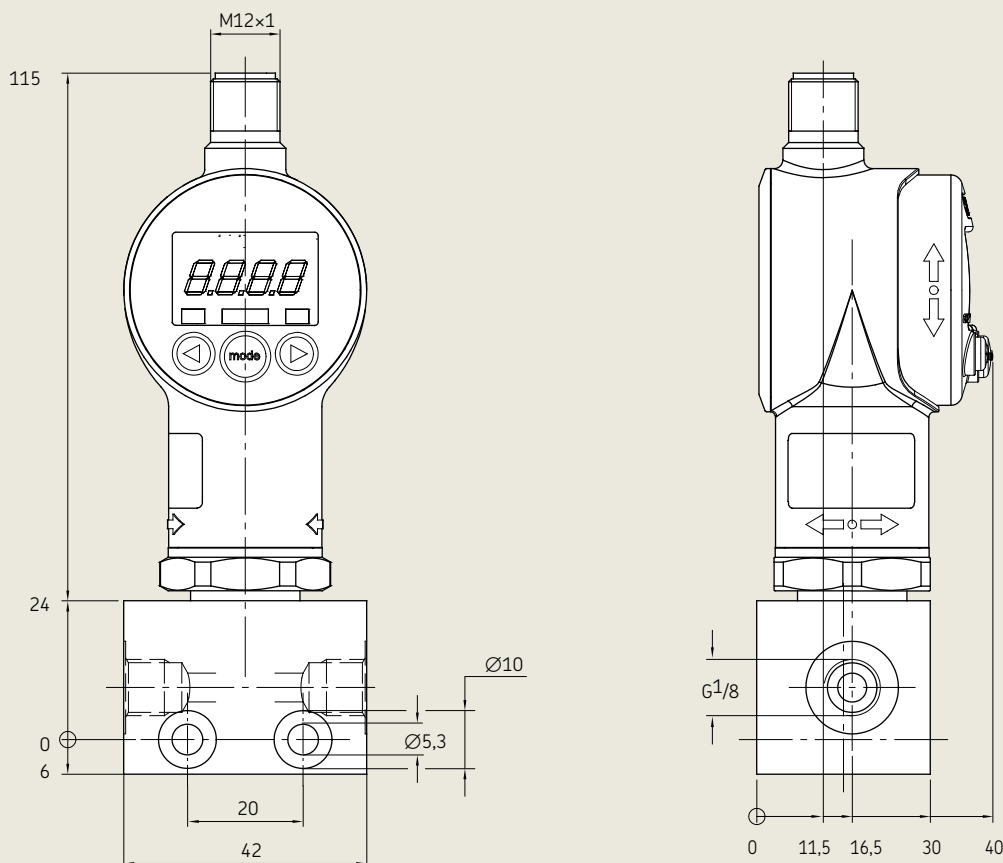
- Available for rising and falling pressures from 0 to 100 bar in 0,5-bar increments
- 2 singal outputs PNP
- Easy to install into a lubrication line
- Pivoted, four-digit, digital display
- Can operate in switching point, hysteresis and window function modes
- Programmng lock to protect against unauthorized adjustment of drive
- Switching displayed using LEDs

Technical data

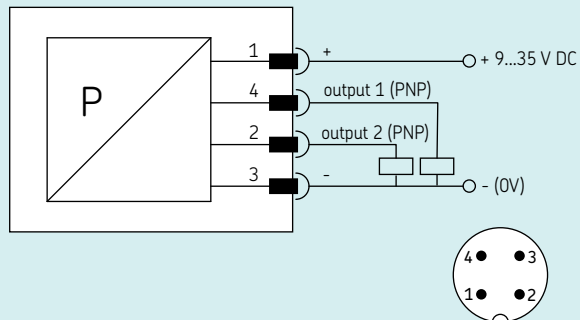
Order number	DSC3-A100K-3A2B
Function principle	digital pressure switch
Lubricant	oil and fluid grease NLGI: 000–0
Operating temperature	–25 to +80 °C –13 to 176 °F
Operating pressure	0–100 bar in 0,5 bar increments 0–1 450 psi in 7.25 psi increments
Permissbale overpressure	max. 300 bar max. 4 350 psi
Burst pressure	> 500 bar > 7 251 psi
Operating voltage	9 to 35 VDC
Power consumption	max. 35 mA
Output signal	2 x PNP
Vibration resistance	20 g (5–500 Hz)
Service life	100 × 10 ⁶ pressure changes
Material:	
Housing	plastic
Electrical connection	M12x1, 4-pin
Pressure port	via t connector, 2 × G 1/8 (F)
Protection class	IP 67
Dimensions	42 × 115 × 40 mm 1.65 × 4.53 × 1.57 in
Mounting position	any

Drawings and plans

Technical drawing



Electrical connection



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PUB LS/P2 19080 EN · March 2022

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