







Pressure sensor DSC1

Digital pressure switch with hysteresis and window function mode



	Oil or fluid grease up to NLGI 0
	1 to 40 bar (580 psi)
	-25 to +80 °C (-13 to 176 °F)
	1 x PNP and 1 x PNP/IO-Link
	G1/4 inner thread
	M12x1 4-pin socket



Applications

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

Product information



Description

DSC1 pressure switches are electronic pressure switches with 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 values are displayed as 4-digit alphanumeric characters, at the same time there is an alternating display (red / green) to indicate the switching status. DSC1 can be operated with both hysteresis and window functions and the mode can be set separately for each switching output.

Features and benefits

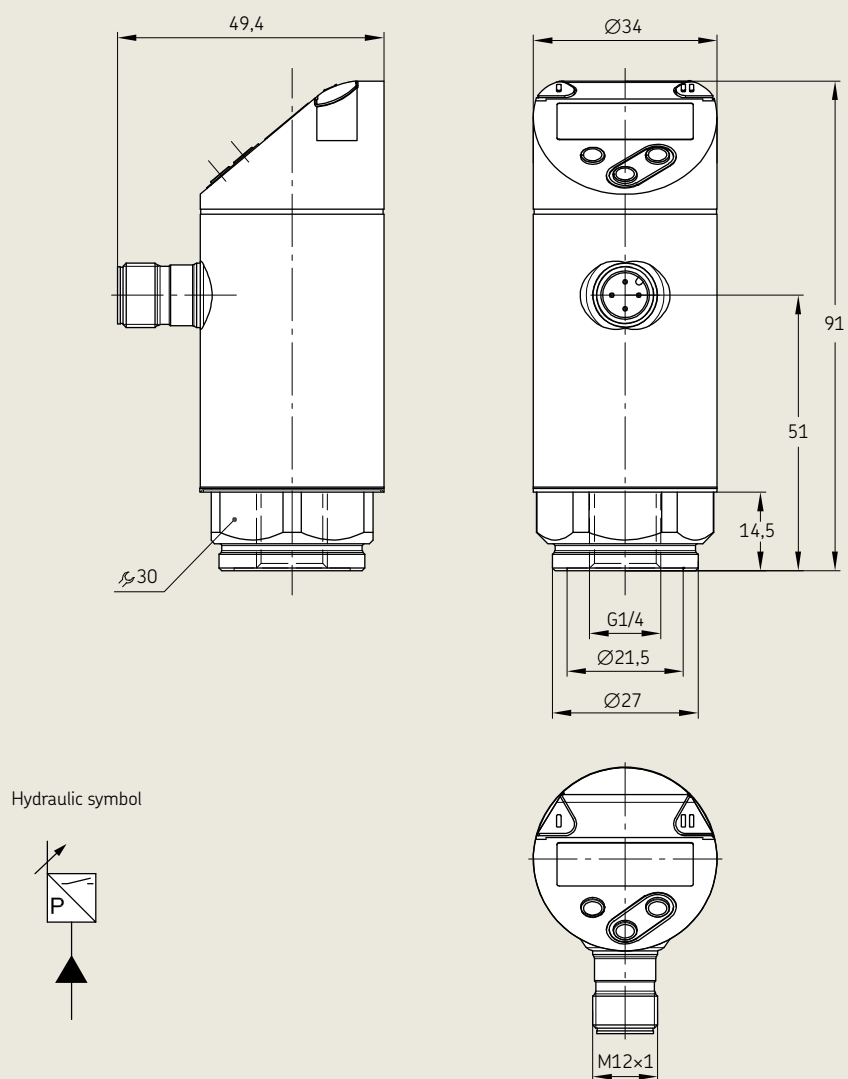
- 2 signal outputs 1 x PNP and 1 x PNP /IO-Link (configurable)
- 100 mio pressure changes service life
- Hysteresis and window function modes
- Available for rising and falling pressures from 1 to 40 bar in 0,5 bar increments
- Can be operated with both, hysteresis and window function modes
- Encodable access protection

Technical data

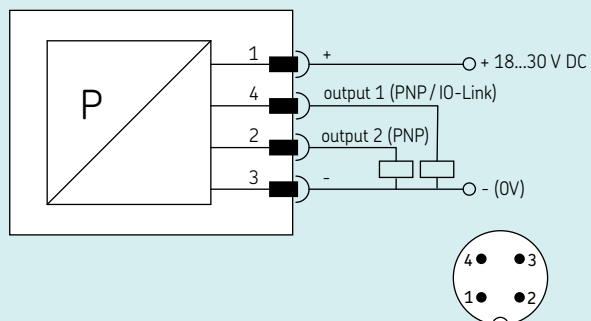
Order number	DSC1-B040E-2A2B
Function principle	digital pressure switch
Lubricant	oil and fluid grease NLGI 000, 00, 0
Operating temperature	-25 to +80 °C -13 to +176 °F
Operating pressure	1-40 bar in 0,5 bar increments 14-580 psi in 7 psi increments
Burst pressure	500 bar; 7 251 psi
Operating voltage	18 to 30 VDC
Power consumption	max. 35 mA
Output signal	2 signal outputs; 1 x PNP and 1 x PNP/IO-Link
Vibration resistance	20 g (10-2 000 Hz)
Service life	100 × 10 ⁶ pressure changes
Material:	
Housing	stainless steel
Control panel	polycarbonate
Electrical connection	M12x1; 4-pin
Pressure port	G 1/4
Protection class	IP 67
Dimensions	34 × 91 × 49,4 mm 1.33 × 3.58 × 37.4 in
Mounting position	any

Drawings and plans

Technical drawing



Electrical connection



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