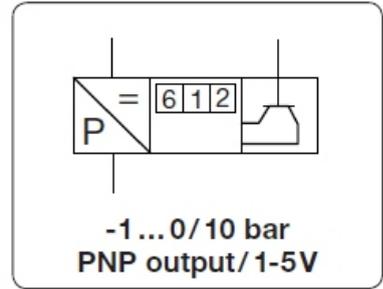


# DSB/DSC - Transmetteur de Pression / Dépression Programmable avec afficheur Intégré

## DSB / DSC - Programmable Vacuum and Pressure Switch Transducer with Display

<b>Description</b>	Pressure to the unit is continuously monitored by a piezo-resistive sensor and converted into a proportional voltage signal. The signal is then amplified and delivered as a PNP signal. dry, lubricated or unlubricated compressed air or non-corrosive gases	
<b>Media</b>	12...30 V DC, reverse voltage protection, current consumption max. 30 mA, output current max. 250 mA	
<b>Supply voltage</b>		
<b>Adjustment</b>	<b>DSB</b>	Mode: hysteresis or window, switching point and hysteresis, NO or NC, closing or opening time, bar, psi, MPa, kg/cm <sup>2</sup> etc. Display: current pressure, highest pressure, measurement errors
<b>Switching output</b>	<b>DSB</b>	2x PNP freely programmable as NO or NC, max. contact load 250 mA, short-circuit-proof
<b>Switching output</b>	<b>DSC</b>	1x PNP as at DSB and 1x analogue output signal 1...5 V, output impedance < 500 Ω
<b>Hysteresis</b>		adjustable from 0% to 100% of set switching point
<b>Repeatability</b>		< 0.2% FS
<b>LED display</b>		3-digit, red 7-segment display on DSB, no display on DSC
<b>Error display</b>		via 7-segment display on DSB, via multicolour LED on DSC
<b>Certifications</b>		CSA-compliant, UL-listed
<b>Temperature range</b>		-1 °C to 50 °C / 30 °F to 122 °F
<b>Material</b>		Body: ABS-PC plastic, shockproof
	<b>Linearity</b>	< 1% FS
	<b>Switching frequency</b>	200 Hz
	<b>Mounting position</b>	any
	<b>Shock resistance</b>	10 g
	<b>Protection class</b>	IP 65
	<b>Connection thread:</b>	nickel-plated brass



Dimensions	Digital display	Over-pressure	Output signal type	Measurement range	Order number
B	Ø	max. bar	PNP/analog	bar	
mm	mm				

Sensor pressure switch		connection thread G½ male, without coupling socket, M8x1, 4-pin		DS			
57	16	with	5	2x PNP	250	0 ... -1	<b>DSB-V1</b>
			16			-1 ... +1	<b>DSB-V2</b>
						0 ... 10	<b>DSB-10</b>
						-1 ... 10	<b>DSB-V10</b>
44	16	without	5	1x PNP/1x analog	250	0 ... -1	<b>DSC-V1</b>
			16			-1 ... +1	<b>DSC-V2</b>
						-1 ... 10	<b>DSC-V10</b>



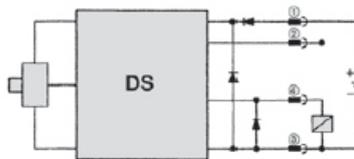
DSB with digital display



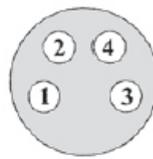
DSC

### Accessories, enclosed

<b>coupling socket</b>	M8x1, 4-pin with 5 m cable	straight	<b>KM8-A4-5</b>
		angular	<b>KM8-C4-5</b>

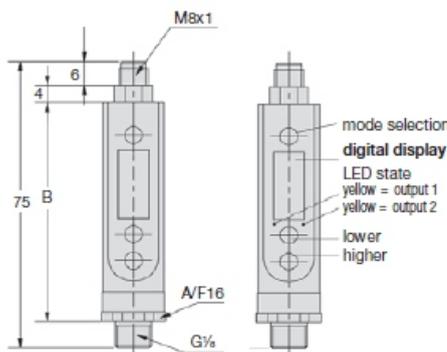
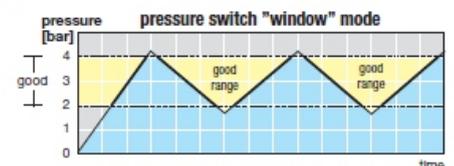
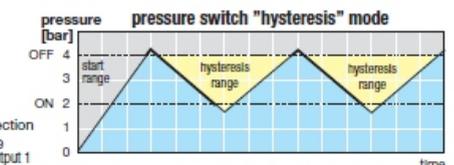
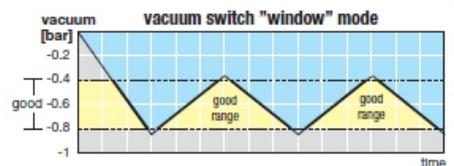
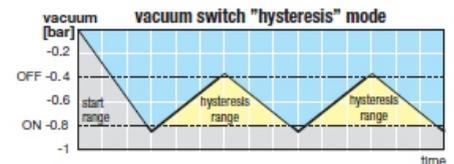


connection diagram

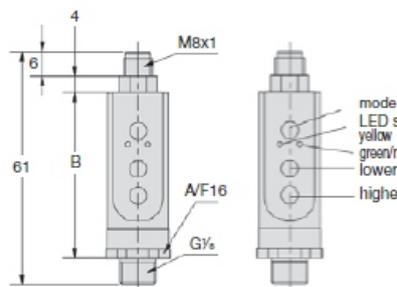


PIN configuration according to DIN EN 50044

pin	colour	configuration
1	brown	24 V DC (+)
2	white	outlet 2 / analog
3	blue	24 V DC (-)
4	black	outlet 1 / digital



DSB



DSC