MP SENSOR

ELECTRONIC PRESSURE & VACUUM SWITCH *Product category*

VS11 *Type*

STANDARD *Version*

DATA SHEET | *ENGLISH*



UK CA CE drehbar 360° (rotatable 360°)

General data

Display	Green LED: Operation display Red LED: Switching display
Setting options	Switch point via potentiometer
Operating medium	Filtered, dry or oiled air and non-corrosive gases
Protection class	IP40

Ordering information

1 - 01 - XX XX - 01 X X 00

Process connection

M5 thread	01
Tube connection 4 mm	06

Electrical connection

3 m cable	04
M8 3-pole	05

Pressure range

bar	psi	
-1…0	-14.5…0	1
-1…1	-14.5…14.5	2

Output signal

NO	1
NC	2

Mechanical data

Material housing	Plastic PC
Process connection	M5 thread; Tube connection 4 mm
Material process connection	Brass nickel-plated
Mounting position	Any (port downwards when using oiled air)
Weight	8 g

Electrical data

Electrical connection	3 m cable with open ended wires; 10 cm cable with M8 3-pole
Operating voltage	9…30 VDC
Current consumption	< 20 mA
Short-circuit / reverse polarity protection	yes / yes

Output

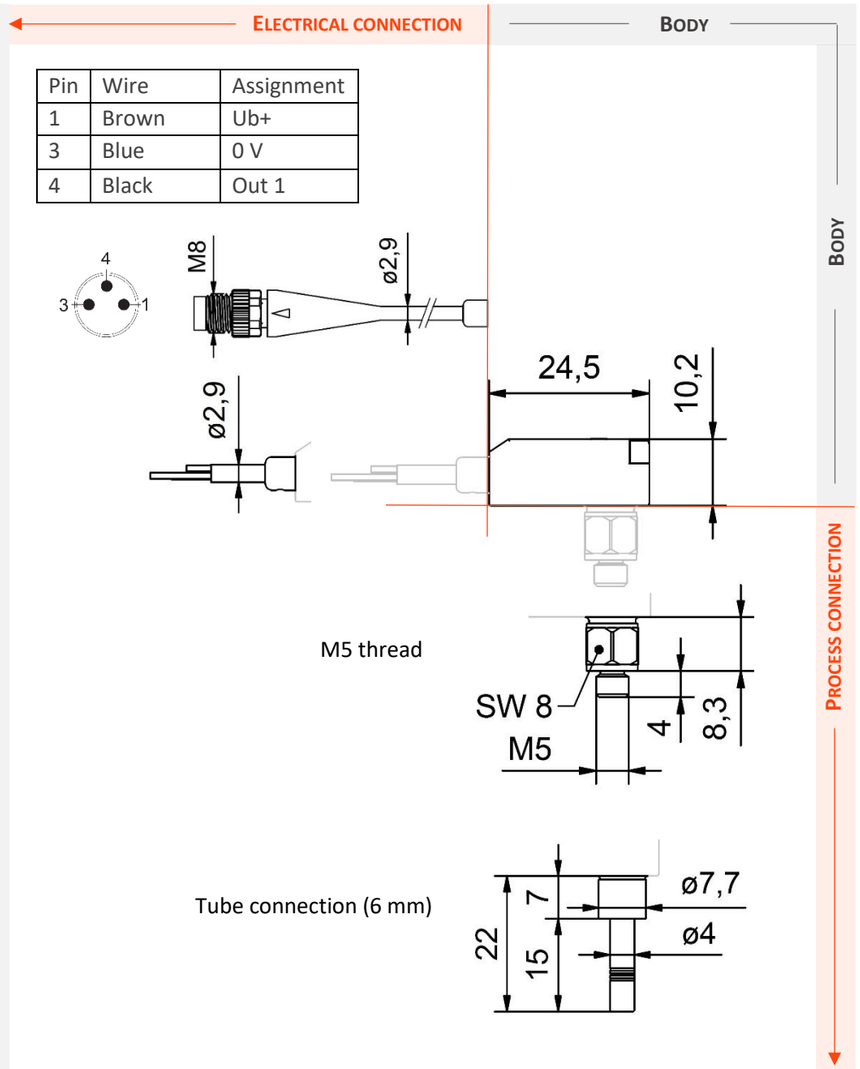
Output signal	1x PNP (NPN on request)
Max. output current	max. 100 mA
Output voltage	approx. Ub -1.5 V
Output function	NO; NC
Switch point	Adjustment potentiometer 100%
Switching hysteresis	approx. 5% FS
Repeatability	± 3% FS

Pressure range

Measuring range		
(bar)	-1…0	-1…1
(psi)	-14.5…0	-14.5…14.5
max. overpressure*		
(bar)	2	
(psi)	29	

Operating conditions

Operating temperature	Operation: -25°…+85°C
EMC / interference immunity	EN61000-6-2
EMC / interference emisson	EN61000-6-4



* overpressure not continuously allowed

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