

Electronic vacuum/pressure switches Series SWE

Out of production

These vacuum sensors are available with analog and digital output.



- » Electronically precise measuring
- » Switching point and adjustable hysteresis
- » Analog and digital output

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CONTROL

Applications:

universal electronic vacuum/pressure switch for safety monitoring, optimization of the cycle time or energy saving devices.

Thanks to the switching point and the adjustable hysteresis, this electronic vacuum/pressure switch is able to satisfy the user's needs.

Analog and digital output: adjustable vacuum limit value and continuous vacuum monitoring.

Electric connection:

- This device functions correctly with a connector Mod. CS-DF04EG-E500 or CS-DR04EG-E500 which should be ordered separately.

GENERAL DATA

Type of vacuum/pressure switch	electronic with polycarbonate housing
Connection	with G1/8 male thread and M5 female thread
Switching point and hysteresis	adjustable through regulation screws
LED	integrated for visual indication of the switch state
Electric connection	supply voltage via 4-pin M8 connector

CODING EXAMPLE

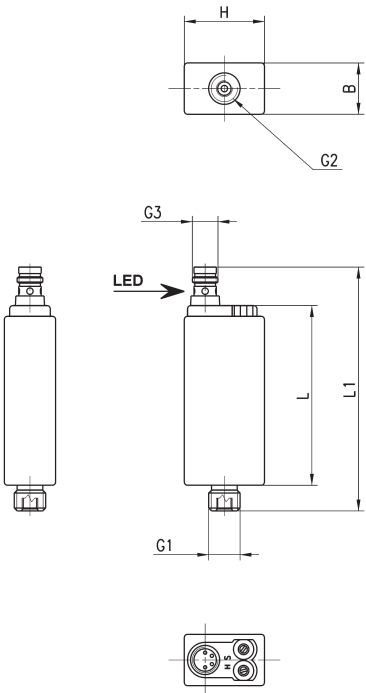
SW	E	-	V00	-	P	A
SW	SERIES SW = transducer					
E	VERSION E = ELECTRONIC					
V00	MEASUREMENT RANGE V00 = from -1 to 0 bar U10 = from -1 to 10 bar (for version E only)					
P	POLARITY P = PNP					
A	PNEUMATIC CONNECTION A = external G1/8 male thread and internal M5 female thread					

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CONTROL

Vacuum / Pressure switch Series SWE

Delivered complete with screwdriver and accessories (screw, seals and tube adaptor) needed for IP65 class.



DIMENSIONS							
Mod.	B	G1	G2	G3	H	L	L1
SWE-V00-PA	15,7	G1/8	M5	M8	19,7	44	62
SWE-U10-PA	15,7	G1/8	M5	M8	19,7	44	62

TECHNICAL DATA

Mod.	SWE-V00 PA	SWE-U10-PA
Fluid	Non-aggressive gas, dry air, without lubrication	Non-aggressive gas, dry air, without lubrication
Measurement range	-1 ÷ 0 bar	-1 ÷ 10 bar
Max overpressure [bar]	5	16
Repetition Precision	± 1% measurement range	± 1% measurement range
Hysteresis	Settable: from 3 to 25 % set value.	Settable: from 3 to 25 % set value.
Output signal	1 Analogic (1...5 V) and 1 digital settable.	1 Analogic (1...5 V) and 1 digital settable.
Max output current [mA]	125	125
Switching time [ms]	5	5
Signalling	LED	LED
Electric connection	Connector M8 4 pins	Connector M8 4 pins
Pneumatic connection	G1/8 male and M5 female	G1/8 male and M5 female
Voltage	10.8 - 30 V - DC	10.8 - 30 V - DC
Input current [mA]	30	30
IP Protection	IP 40/65 (with flexible cable)	IP 40/65 (with flexible cable)
Temperature effect	± 3% measurement range	± 3% measurement range
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C
Weight [g]	30	30

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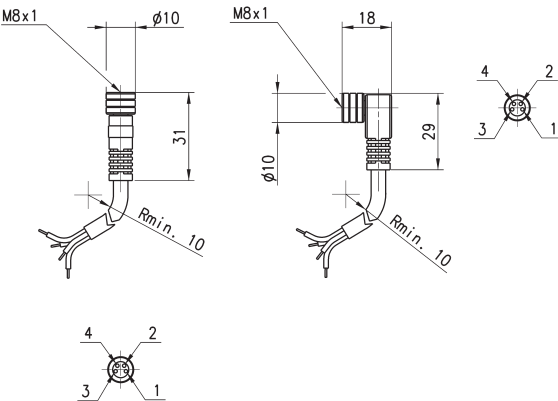
CONTROL



Circular M8 4-pole connectors, Female

With PU sheathing, non shielded cable.

Protection class: IP65



Mod.	Type of connector	Cable length (m)
CS-DF04EG-E200	straight	2
CS-DF04EG-E500	straight	5
CS-DR04EG-E200	right angle (90 degrees)	2
CS-DR04EG-E500	right angle (90 degrees)	5