



## SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0601101411002  
0-10V, 0..10 bar, G1/4-E, NBR, M12

- Measuring range up to 100 bar
- Ceramic sensor
- Small and compact
- Stainless steel housing



### PRODUCT DESCRIPTION

The SUCO 0601/0602 performance series pressure sensor is a small, compact and cost effective pressure monitoring solution. Offering six standard pressure ranges with options of four different electrical connectors a thread of G1/4 and 0-10V or 4-20mA outputs. The 06 series uses a ceramic sensor in thick film technology which is housed in a stainless steel body.

Common applications include mobile hydraulics and power packs.

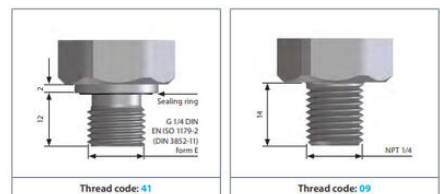
### TECHNICAL DATA

Accuracy	±1% FS
Burst pressure	35 bar
Connection	G1/4-E
Electrical connection	M12x1 4-pole
IP class	IP67
Long term stability	±0.3% FS p.a.
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Ceramic, NBR
Mechanical life expectancy	5 million cycles
Overpressure protection	20 bar
Pressure range max	10 bar
Pressure range min	0 bar

Pressure reference	Gauge
Pressure rise	1 bar/ms
Repeatability	±0.1% FS
Response time	2 ms
Shock resistance	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
Signal type	0-10 V
Supply voltage dc max	32 V DC
Supply voltage dc min	11 V DC
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Temperature error	±0.04% FS/°C
Temperature of media from	-30 °C
Temperature of media to	100 °C
Weight	80 g
Vibration resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6



<b>DIN EN 175301-803-A</b>  <table><tr><td>Pin</td><td>0601</td><td>0602</td></tr><tr><td>1</td><td>U<sub>ve</sub></td><td>U<sub>ve</sub></td></tr><tr><td>2</td><td>Gnd</td><td>I<sub>ue</sub></td></tr><tr><td>3</td><td>U<sub>ue</sub></td><td>nc*</td></tr></table> <p>IP65 x ~ 60 mm without coupler socket x ~ 77 mm with coupler socket Order number: 013</p>	Pin	0601	0602	1	U <sub>ve</sub>	U <sub>ve</sub>	2	Gnd	I <sub>ue</sub>	3	U <sub>ue</sub>	nc*	<b>M 12 – DIN EN 61076-2-101 A</b>  <table><tr><td>Pin</td><td>0601</td><td>0602</td></tr><tr><td>1</td><td>U<sub>ve</sub></td><td>U<sub>ve</sub></td></tr><tr><td>2</td><td>U<sub>ue</sub></td><td>nc*</td></tr><tr><td>3</td><td>Gnd</td><td>I<sub>ue</sub></td></tr><tr><td>4</td><td>nc*</td><td>nc*</td></tr></table> <p>IP67 x ~ 54 mm Order number: 002</p>	Pin	0601	0602	1	U <sub>ve</sub>	U <sub>ve</sub>	2	U <sub>ue</sub>	nc*	3	Gnd	I <sub>ue</sub>	4	nc*	nc*	<b>ISO 15170-A1-4.1</b>  <table><tr><td>Pin</td><td>0601</td><td>0602</td></tr><tr><td>1</td><td>U<sub>ve</sub></td><td>U<sub>ve</sub></td></tr><tr><td>2</td><td>Gnd</td><td>nc*</td></tr><tr><td>3</td><td>U<sub>ue</sub></td><td>I<sub>ue</sub></td></tr><tr><td>4</td><td>nc*</td><td>nc*</td></tr></table> <p>IP67, IP69K x ~ 56 mm Order number: 004</p>	Pin	0601	0602	1	U <sub>ve</sub>	U <sub>ve</sub>	2	Gnd	nc*	3	U <sub>ue</sub>	I <sub>ue</sub>	4	nc*	nc*
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DIN EN 175301-803-A		
Pin	0601	0602
1	Uv+	Uv+
2	Gnd	I <sub>out</sub>
3	U <sub>out</sub>	nc*
IP65		
x ~ 60 mm without coupler socket x ~ 77 mm with coupler socket		
Order number: 013		

AMP Superseal 1.5*		
Pin	0601	0602
1	U <sub>out</sub>	nc*
2	Gnd	I <sub>out</sub>
3	Uv+	Uv+
IP67		
x ~ 61 mm		
Order number: 007		

M 12 - DIN EN 61076-2-101 A		
Pin	0601	0602
1	Uv+	Uv+
2	U <sub>out</sub>	nc*
3	Gnd	I <sub>out</sub>
4	nc*	nc*
IP67		
x ~ 54 mm		
Order number: 002		

Deutsch DT04-3P		
Pin	0601	0602
A	Uv+	Uv+
B	Gnd	nc*
C	U <sub>out</sub>	I <sub>out</sub>
IP67, IP6X3K		
x ~ 61 mm		
Order number: 010		

ISO 15170-A1-4.1		
Pin	0601	0602
1	Uv+	Uv+
2	Gnd	nc*
3	U <sub>out</sub>	I <sub>out</sub>
4	nc*	nc*
IP67, IP6X3K		
x ~ 56 mm		
Order number: 004		

