



## 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.

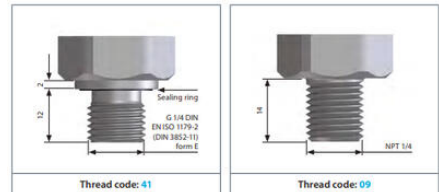
### TECHNICAL DATA

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



DIN EN 175301-803-A	M 12 - DIN EN 61076-2-101 A	ISO 15170-A1-4.1																																										
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**DIN EN 175301-803-A**

Pin	0601	0602
1	U <sub>ve</sub>	U <sub>ve</sub>
2	Gnd	I <sub>sup</sub>
3	U <sub>sup</sub>	nc*

IP65  
 x = 60 mm without coupler socket  
 x = 77 mm with coupler socket  
 Order number: 013

**M 12 - DIN EN 61076-2-101 A**

Pin	0601	0602
1	U <sub>ve</sub>	U <sub>ve</sub>
2	U <sub>sup</sub>	nc*
3	Gnd	I <sub>sup</sub>
4	nc*	nc*

IP67  
 x = 54 mm  
 Order number: 002

**ISO 15170-A1-4.1**

Pin	0601	0602
1	U <sub>ve</sub>	U <sub>ve</sub>
2	Gnd	nc*
3	U <sub>sup</sub>	I <sub>sup</sub>
4	nc*	nc*

IP67, IP6X3K  
 x = 56 mm  
 Order number: 004

**AMP Superseal 1.5\***

Pin	0601	0602
1	U <sub>sup</sub>	nc*
2	Gnd	I <sub>sup</sub>
3	U <sub>ve</sub>	U <sub>ve</sub>

IP67  
 x = 61 mm  
 Order number: 007

**Deutsch DT04-3P**

Pin	0601	0602
A	U <sub>ve</sub>	U <sub>ve</sub>
B	Gnd	nc*
C	U <sub>sup</sub>	I <sub>sup</sub>

IP67, IP6X3K  
 x = 61 mm  
 Order number: 010

