

# Gas and Air Pressure Switches

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## Pressure switch for general gas- and air application C6097



C6097A2210



The C6097 Pressure Switches are safety devices used in positive-pressure or differential-pressure systems to sense gas or air pressure changes.

Kind of pressure	differential pressure, relative
Pressure connection	Two models are available: pipe mount or flange mount on valve body. <ul style="list-style-type: none"> <li>• Pipe mount models: positive pressure: G1/4"</li> <li>• Pipe mount models: negative pressure: G1/8"</li> <li>• Flange mount models: direct mount on valve body</li> </ul>
Electrical connection	PG11 or DIN plug
Protection class	IP54
Housing material	<ul style="list-style-type: none"> <li>• Bottom part: aluminium die cast</li> <li>• Case: blue coloured polybutylene terephthalate</li> <li>• Cover: transparent polycarbonate</li> </ul>
Media temp.	-15 ... 80 °C
Ambient temperature	-15 ... 60 °C
Switch function/capacity	<ul style="list-style-type: none"> <li>• Switch action: SPDT</li> <li>• Max voltage: 250Vac</li> <li>• Min voltage: 24Vac</li> <li>• Max resistive load: 5 A</li> <li>• Max inductive load (pf=0.6): 3 A</li> <li>• Min load: 50 mA</li> </ul>
Approvals	<ul style="list-style-type: none"> <li>• C6097A1/B1 models: UL (US+C), CSA (US+C), FM</li> <li>• C6097A2 models: CE (EN1864) - PIN: 0063AR1571</li> </ul>
Mounting position	horizontal or vertical
Additional description	<ul style="list-style-type: none"> <li>• C6097A1 models are calibrated for pressure fall (approved for use as minimum pressure limiter in NA) and have psi or in.wc scale</li> <li>• C6097B1 models are calibrated for pressure rise (approved for use as maximum pressure limiter in NA) and have psi or in.wc scale</li> <li>• C6097A2 models are calibrated for nominal pressure (CE approved for use as minimum or maximum pressure limiter in EU) and have mbar scale</li> </ul>

### European models for pipe mount, G1/4" connection. Uses PG11 cable gland.

Pressure adjustment range mbar	Differential pressure setpoint range mbar	Max. pressure mbar	Comment	Type
1 ... 10	... 0,4	200	CE Approved	<b>C6097A2110</b>
2,5 ... 50	... 0,6	300	CE Approved	<b>C6097A2210</b>
30 ... 150	... 2,8	500	CE Approved	<b>C6097A2310</b>
100 ... 500	... 7	600	CE Approved	<b>C6097A2410</b>

### European models for pipe mount, G1/4" connection. Uses DIN connector (not included).

Pressure adjustment range mbar	Differential pressure setpoint range mbar	Max. pressure mbar	Comment	Type
1 ... 10	... 0,4	200	CE Approved	<b>C6097A2110D</b>
2,5 ... 50	... 0,6	300	CE Approved	<b>C6097A2210D</b>
30 ... 150	... 2,8	500	CE Approved	<b>C6097A2310D</b>
100 ... 500	... 7	600	CE Approved	<b>C6097A2410D</b>