

Gas and Air Pressure Switches

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

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	C6097A2110
2,5 ... 50	... 0,6	300	CE Approved	C6097A2210
30 ... 150	... 2,8	500	CE Approved	C6097A2310
100 ... 500	... 7	600	CE Approved	C6097A2410

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	C6097A2110D
2,5 ... 50	... 0,6	300	CE Approved	C6097A2210D
30 ... 150	... 2,8	500	CE Approved	C6097A2310D
100 ... 500	... 7	600	CE Approved	C6097A2410D