

Gas and Air Pressure Switches

1

Pressure switch for general gas- and air application C6097

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



C6097A2210



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 <ul style="list-style-type: none"> • C6097A1/B1 models: UL (US+C), CSA (US+C), FM • C6097A2 models: CE (EN1864) - PIN: 0063AR1571
Approvals	horizontal or vertical
Mounting position	<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
Additional description	

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