

LFS-03 Pressure Switch (15-2500mbar)

LFS-03 Pressure Switch can be applied to detection positive or negative pressure.

LFS-03 Pressure Switch can be used as a gauge or differential pressure switch with almost no hysteresis. If 2 switch points are required, 2 pressure switches with different calibrations should be employed. The method of fixing the tab terminals to the switch body does not allow for absolute air sealing. The switch is therefore not recommended for applications where static vacuum has to be maintained. However, special models with additional pressure spring which allow for the vacuum to be connected to the pressure inlet side are available on request.



[Click here](#)

Model	LFS-03
Electrical Function	1 pole NO 1 pole NC
Switch Rating	1 pole NO: 2.5(0.5) A 250V~1E4 1 A 250 V~5E4(max 800 mbar) 20 mA 250 V~5E4(max 800 mbar) 1 Pole NC: 2.5(0.5) A 250V~1E4 0.5 A 250 V~5E4(max 800 mbar) 20 mA 250 V~5E4
Temperature	Ambient: -10 to +85
Electrical Connections	Tab terminals 6.4 x 0.8 mm Tab terminals 4.8 x 0.8 mm(1 pole NO only)

Pressure Range	Pressure: +15 to +2500 mbar Tolerance: +/- 10% NO; +/- 15% NC Vacuum: -600 to -15 mbar Tolerance: +/- 15%
Sample Line Connections	Pressure and vacuum: Inlet 4.0 or 5.5 mm (up to 500 mbar) Threaded inlet M10 x 1 mm or 1/4 gas
Switch hysteresis	Almost no hysteresis
Max. working pressure	3000 mbar
Medium	Non hazardous gas only
Fixing Methods	Plastics clips (version with inlet only)
Materials	Lower body:PA 66
	Upper body:PA 66
	Adjust. screw:PA 66
	Contact carrying parts: Brass Silver plated (gold plating on request) Membrane: Nitrile, EPDM, (Silicone, Perbunan on request) according to application

Conversion: 1mbar = 100 Pa 1 in/H₂O= 249 Pa