LF20 Pressure Switch

The LF20 pressure switches are robust, compact and designed to operate in harsh environments at various pressures. Because of its special internal design this switch can tolerate high pressure spikes inherent on many pressure systems. The switch is factory calibrated but in the case that adjustment is needed in the field the switch offers an adjustment screw to facilitate any fine tuning required. The standard diaphragm employed by Mamco is polyimide (Kapton) making it compatible with many gases and liquids. Several other diaphragm materials are available that make the switch compatible with many mediums. Various electrical terminations are available including 1/4 tabs and a metric-pack connector that forms a tight seal when connected. Because of their ruggedness the LF20 is a popular choice for the many OEM applications.

E228961

Specification

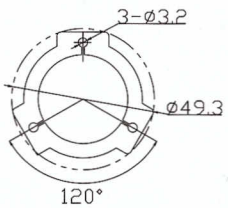
Model	LF20
Media	Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media; Water
Pressure Set Point	Factory set from 0.5 to 150psi
Max Operating Pressure	150 psi for 0.5-24 psi set point range 250 psi for 25-150 psi set point range
Proof Pressure	500 psi
Burst Pressure	750 psi for 0.5-24psi set point range 1250 psi for 25-150 psiset point range
Operating Temperature Range	-40℃ to +120℃
Switch Type	Direct action,blade contact
Electric Rating	Resistive : 15AMP-6VDC 8AMP-12VDC 4AMP-24VDC Inductive: 1AMP-120VAC 0.5AMP-240VAC
Contact Arrangement	SPST-N.O.,N.C., 1 circuit adjustable dual circuit,or 2 circuits adjustble dual circuit. Also available are N.O/N.O.dual circuit and N.C./N.C.dual circuit.
Terminals	#8-32 screws, 1/4″blade
Connection	1/8-27NPTMale
Material	Contact:Silver alloy,gold plated Base:Brass Cover:Glass reinforced polyester Diaphragm:Polyimide film
Options	Plated Steel,plastic or stainless steel base;various base connector threadsizes; wire leads (potted &sealed); Teflone or EPDM diaphragm

Conversion: 1kgf/cm^2=14.2psi 1bar=14.5psi

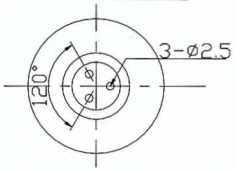












(Dimension in mm)

LF 20 Order Ref No.

The polyimide diaphragm is not suit for water, If customer is to use the pressure switch in water, please contact the factory.

LF20-XXXXXX-X

- Pressure setting: i.e.15=Factory set at 15psi
- Cover
- Terminals
- Connector (Male)
- Base material
- Circuitry
- Pressure set point Range

Number	Pressure set point Range	Circuitry	Base Material	Connector (Male)	Terminals	Cover
0	/	/	/	/	/	none
1	0.5-1psi	SPST-NC	Brass	1/8NPT	1/4 blade	cover A
2	1.1-3psi	SPST-NO	Plated steel	1/4NPT	#8-32screws	cover B
3	3.1-7psi	SPDT-NO-C-NC	Stainless steel	R1/8	Wire leads	/
4	8-13psi	SPST-NO (NO Adjustable)	/	R1/4	/	/
5	14-24psi	SPDT-NO-C-NC (NO Adjustable)	/	G1/8	/	/
6	25-50psi	/	/	G1/4	/	/
7	51-90psi	/	/	/	/	/
8	91-150psi	/	/	/	/	/

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