

Application:

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Easy to connect

The airflow monitor (NC/NO) is designed to indicate the loss of air movement of a fan or filter fan. The contact detects the loss of air movement caused by fan failure or blocked filter media regardless of direction of air. Its simple mechanical operation makes it a viable alternative to electronic monitoring systems.

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Contact type	reed / magnet contact				
Normally Closed (NC)	switch contact open when air is flowing				
Normally Open (NO)	switch contact closed when air is flowing				
Max. switching capacity	10W (resistive load)				
Max. switching voltage	NC: 240VDC (UL), 240V AC/DC (VDE) / NO: 60VDC				
Max. switching current	NC: DC 500mA / NO: DC 170mA				
Switching threshold of airflow velocity	> 2.5m/s (hysteresis: > 1m/s)				
Max. airflow velocity	50m/s				
Contact resistance	< 370m0hm (with wire)				
Max. air humidity	70% RH (not precipitating)				
Service life	> 100,000 cycles				
Connection	2 x single strand AWG 26, length 500 mm, tip of stranded				
	wire 5mm stripped and tinned (NC: black, NO: blue)				
Mounting	alternatively integrated in protective grille (see table).				
	mounting clamp or mounting clip				
Casing	plastic according to UL94-HB, black				
Fitting position	bidirectional tab perpendicular to airflow				
Operating/Storage temperature	-20 to +50 °C (-4 to +122 °F) / -20 to +80 °C (-4 to +176 °F)				
Protection type	IP20				
Approvals	VDE + UL File No. E250507				

Nate: The product of switching voltage and switching current must not exceed 10W. The max: voltage and max: current must not be exceeded not even short-term includage/current posits. The resulting voltage and current pasks of inductive or capacitive loads must be restricted by a contact protection circuit.







Installation not

The airflow monitor must not be installed in the impact range of permanent magnets or ferrous metals as the built-in permanent magnet will move unintentionally and consequently can not move in dependence with the air flow.
 A unlated status from electromagnetic fields, u.g. generated by transformers, motors, etc., must be maintained as otherwise the contact may switch incorrectly with the frequency

2. A usuable distance from electromagnetic fields, e.g. generated by rendermers, motors, etc., must be mointained as otherwise the contact may swinch incorrectly with the frequency of the power supply. Interferences must be checked with an ecollograph and the mounting position of the airliow monitor should be adjusted if necessary.
3. Avoid installing the airliow monitors in areas where air proclets or turbulence can be expected.

A Ambient air with a high dust content should be avoided.

As there are many different renditions of use suitability of this renduct must be accessed by the out user in its final ambientims.

Description	Art. No. (NC)	Art. No. (NO)	Dimensions	Weight (approx.)
Airflow monitor with mounting clamp and mounting clip LC 013	01300.0-00	01300.1-00	34 x 17.5 x 7.5mm	5g
	01301.0-00	01301.1-00	80 x 88 x 10.5mm	20g
Airflow monitor integrated in protective grille (plastic) LCF 013	01302.0-00	01302.1-00	92 x 92 x 10mm	20g
	01303.0-00	01303.1-00	120 x 120 x 10mm	30g