



## AIR FLOW SWITCHES

SL

### FUNCTION

Air or non aggressive gases flow control.  
Alarm signal for flow shortage (safety switch).

### APPLICATIONS

Well-suited in air ducts, air conditioning and air handling systems.

TYPE	MIN. CUT-OUT VALUE m/s	MIN. CUT-IN VALUE m/s	MAX. CUT-OUT VALUE m/s	MAX. CUT-IN VALUE m/s	MAX. AIR TEMP. °C
SLIE	1.0	2.5	8.0	9.2	85
Accessories	DBZ-08 - Stainless steel Aisi 301 paddle for air flow switch				

### TECHNICAL FEATURES

<b>Contacts:</b>	dust-tight microswitch with SPDT contacts (n.c./n.o.)
<b>Switch capacity:</b>	15 (8) A, 24...250 Vac
<b>Working:</b>	-40...+85 °C 10...90% r.h. (without condensing)
<b>Internal duct temperature:</b>	-10...+85 °C
<b>Level:</b>	brass
<b>Paddles:</b>	stainless steel AISI 301
<b>Housing:</b>	Base in ABS, transparent PC cover
<b>Storage:</b>	-40...+85 °C < 95% r.h.
<b>Protection:</b>	IP65, class I
<b>Size:</b>	140 x 62 x 65 mm
<b>Weight:</b>	630 g

Connect to red and to white terminals (fig. 1).  
The contact red-white opens when the flow drops below the set level.  
When the flow is missing the contact red-blue closes and can be used as a signal or alarm contact.

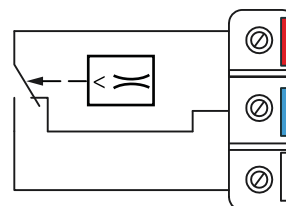


fig. 1

Diagram during flow.

### NOTE

The units are calibrated at the minimum switch-off value. A higher value can be adjusted by turning the range screw clockwise. Due to the risk of fracture at air speed higher than 5 m/s the paddle must be cut off on the marked side. When the paddle is cut off, the minimum cut-out value increases from 1 m/s to 2,5 m/s.

Straights zones should be provided for a length of 5 x diameter upstream and downstream the location of installation to avoid air swirl and paddle instability.

### WIRING DIAGRAM

### DIMENSIONS (mm)

