



AIR FLOW SWITCHES

DBSL

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
DBSL-1E	1.0	2.5	8.0	9.2	85

TECHNICAL FEATURES

Contacts:	dust-tight microswitch with SPDT contacts (n.c./n.o.)
Switch capacity:	15 (8) A, 24...250 Vac
Working:	-40...+85 °C 10...90% r.h. (non condensing)
Internal duct temperature:	-10...+85 °C
Level:	brass
Paddles:	stainless steel AISI 301
Housing:	galvanized steel sheet plate, ABS cover Byblend base and ABS cover (PL version)
Storage:	-40...+85 °C
Protection:	IP65 on the external duct side IP65, class I (PL version)
Size:	113 x 70 x 65 mm 108 x 70 x 72 mm (PL version)
Weight:	630 g

ELECTRICAL WIRING

Connect the red and the white contacts (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.

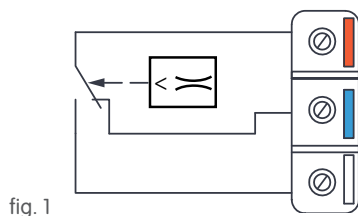


Diagram during flow presence.

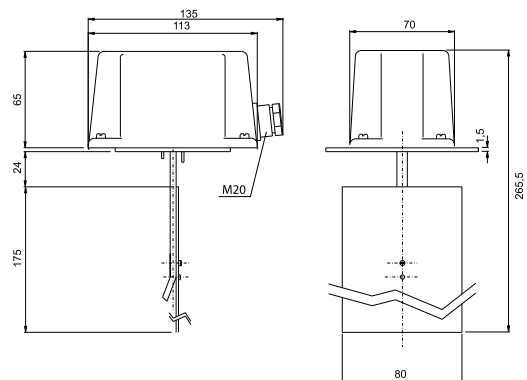
NOTE

The units are calibrated to 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.

DIMENSIONS (mm)

DBSL



DBSL/PL

