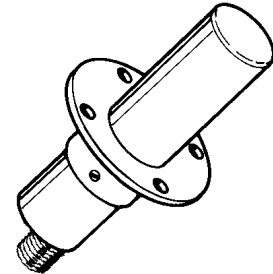


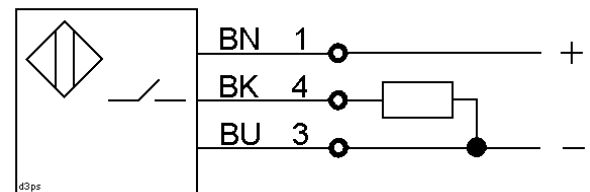
One-part sensor for controlling air and gaseous flows with integrated evaluation electronic. The calorimetrically working unit in a hermetically closed casing of insulation material offers maintenance-free operation.



Technical Data

Type	FKM 230.13 G S4
Art.-No.	8032B
Output	PNP n. o.
Adjusting range	1 - 10 m/s
Set limit value	3 m/s
Response time	max. 10 s
Readiness delay	30 s
Supply voltage	24 V DC
Load current max.	0 - 200 mA
Short circuit protection	yes
No load current	30 mA
Voltage drop	2 V
Switching hysteresis	max 15 %
Ambient temperature	-10 to +60 °C
Protection class	IP 67
Connection	Plug S4 (M12x1)
Function display	LED
Housing material	plastic
Accessoires (please order separately)	Art.-No.
Suitable angular connector with moulded	9841R
5 m connection cable	

Diagram of Connections



The value of 3 m/s which is set in the factory is a preferred value in the ranges of building technology and mechanical engineering, however it can subsequently be set to values between 1 and 10 m/s.

After applying the service voltage (the green LED lightens) the output simulates an existing flow for 10 – 15 seconds. After this readiness delay the switch output gives a signal and the yellow LED indicates the actual condition of flow. The normally open version switches through and the yellow LED lightens, when the limit value of flow is exceeded and opens when the flow falls below the limit value (inverse behaviour in case of normally close versions).

The response time of 10 seconds also applies to unfavourable flow conditions and thus protects safe and quickly all kinds of installations from damage.

The air flow controller is mounted in such a way that the air can flow onto the plane measuring surface (diameter 20 mm) from random direction. For effective temperature compensation the cylindrical part must be exposed to the same ambient temperatures 30 mm up to the measuring surface. Quick changes of temperature can result in misswitchings for a short time.

A mounting flange is included in the scope of supply. Alternatively suitable clips or a Pg 29 cable union can be used for pressure-tight assembly.

