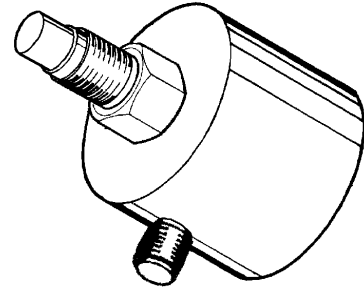


The flow sensor controls liquid media and indicates flow failure resp. deviation from a free adjustable flow velocity. The sturdy stainless steel casing serves for heat transfer in the calorimetric measuring principle. The integrated electronic unit makes possible:

- simple commissioning
- safe detection of condition
- maintenance-free operation

LEDs show the required safety margin for operation, i. e. if the difference between the flow existing and the limit value set renders possible a trouble-free operation



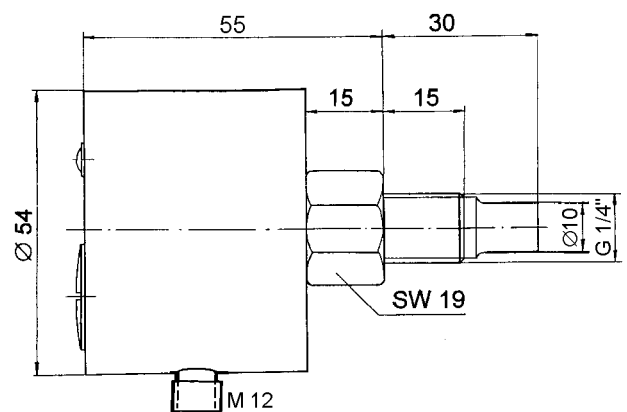
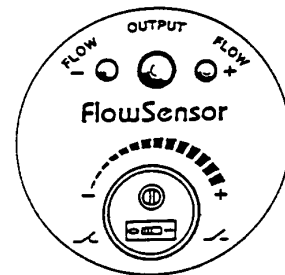
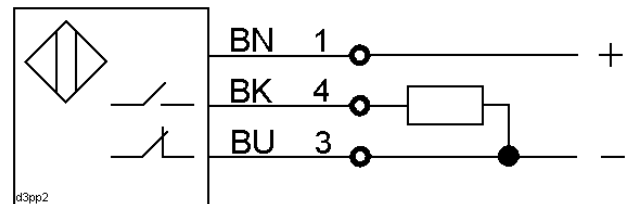
Technical Data

Type	FKC 604.18 G S4
Art.-Nr.	8378B
Output	PNP n. o. / n. c. switchable
Adjusting range	30 - 3000 mm/s
Pressure resistance	100 bar
Response time	approx. 1 to 15 s
Readiness delay	45 s
Supply voltage	20 - 36 V DC
Load current max.	0 - 400 mA
Short circuit protection	yes, pulsing
no load current	max. 80 mA
Voltage drop	2,5 V
Ambient temperature	0 to +80 °C
storage temperature	-40 to +100 °C
Protection class	IP 67
Connection	plug S4
Indication of safety margin for operation (flashing LED)	+30 % LED green -30 % LED red at approx. 300 mm/s
Housing material	sensor stainless steel V2A 1.4305 electronic unit plastic

LED green Flow +	LED red Flow -	LED yellow = output +24 V dependent on switch position		Flow
		n. c.	n. o.	
●			●	ok., with operation safety margin
○			●	ok., near to switchpoint
	○	●		low, near to switchpoint
	●	●		failure
indication see above		○	○	output pulsing in case of overload
●	●		●	readiness delay after application of service voltage

● = LED steady light ○ = LED flashing

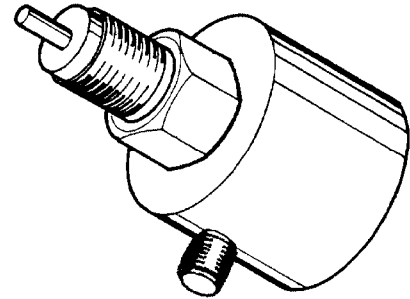
Diagram of Connections



The flow sensor controls liquid media and indicates flow failure resp. deviation from a free adjustable flow velocity. The sturdy stainless steel casing serves for heat transfer in the calorimetric measuring principle. The integrated electronic unit makes possible:

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Technical Data

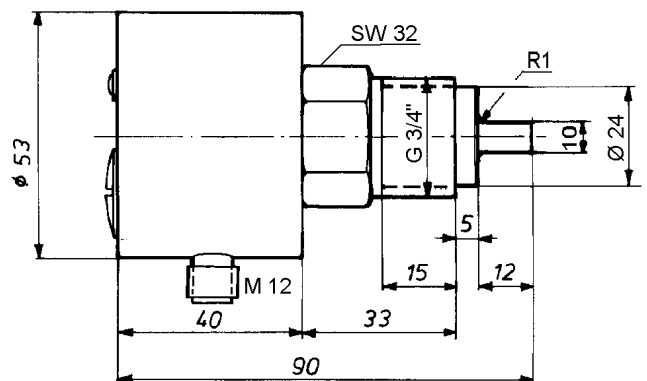
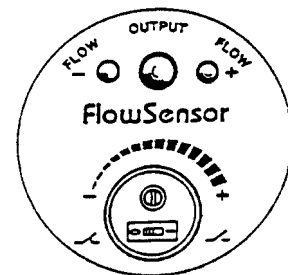
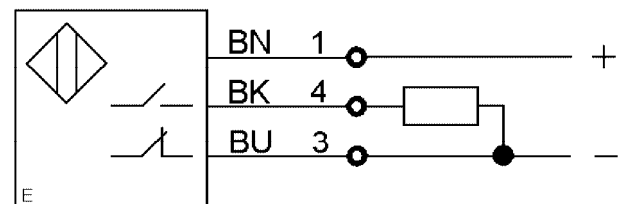
Type	FKF 604.18 G S4	
Art.-No.	8381B	
Output	PNP n. o. / n. c. switchable	
Adjusting range	30 - 3000 mm/s	
Pressure resistance	100 bar	
Response time	approx. 1 to 15 s	
Readiness delay	45 s	
Supply voltage	20 - 36 V DC	
Load current max.	0 - 400 mA	
Short circuit protection	yes, pulsing	
no load current	max. 80 mA	
Voltage drop	2,5 V	
Ambient temperature	0 to +80 °C	
storage temperature	-40 to +100 °C	
Protection class	IP 67	
Connection	plug S4	
Indication of safety margin for operation (flashing LED)	+30 % LED green -30 % LED red at approx. 300 mm/s	
Housing material	sensor	stainless steel V2A 1.4305
	electronic unit	plastic

LED green Flow +	LED red Flow -	LED yellow = output +24 V dependent on switch position		Flow
		n. c.	n. o.	
●			●	ok., with operation safety margin
○			●	ok., near to switchpoint
	○	●		low, near to switchpoint
	●	●		failure
indication see above		○	○	output pulsing in case of overload
●	●		●	readiness delay after application of service voltage

● = LED steady light ○ = LED flashing

Diagram of Connections

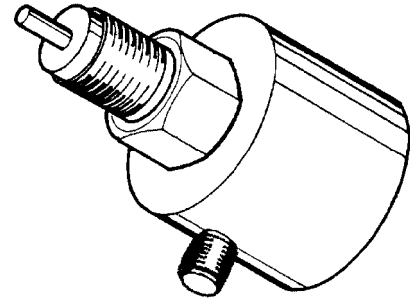
DC 3-Draht PNP progr.



The flow sensor controls liquid media and indicates flow failure resp. deviation from a free adjustable flow velocity. The sturdy stainless steel casing serves for heat transfer in the calorimetric measuring principle. The integrated electronic unit makes possible:

- simple commissioning
- safe detection of condition
- maintenance-free operation

LEDs show the required safety margin for operation, i. e. if the difference between the flow existing and the limit value set renders possible a trouble-free operation



Technical Data

Type	FKEN 604.18 G S4		
Art.-No.	8375B		
Output	PNP n. o. / n. c. switchable		
Adjusting range	30 - 3000 mm/s		
Pressure resistance	100 bar		
Response time	approx. 1 to 15 s		
Readiness delay	45 s		
Supply voltage	20 - 36 V DC		
Load current max.	0 - 400 mA		
Short circuit protection	yes, pulsing		
no load current	max. 80 mA		
Voltage drop	2,5 V		
Ambient temperature	0 to +80 °C		
storage temperature	-40 to +100 °C		
Protection class	IP 67		
Connection	plug S4		
Indication of safety margin for operation (flashing LED)	+30 % LED green -30 % LED red at approx. 300 mm/s		
Housing material	sensor	stainless steel V2A 1.4305	
	electronic unit	plastic	

LED green Flow +	LED red Flow -	LED yellow = output +24 V dependent on switch position		Flow
		n. c.	n. o.	
●			●	ok., with operation safety margin
○			●	ok., near to switchpoint
	○	●		low, near to switchpoint
	●	●		failure
indication see above		○	○	output pulsing in case of overload
●	●		●	readiness delay after application of service voltage

● = LED steady light ○ = LED flashing

Diagram of Connections

DC 3-Draht PNP progr.

