

Flow sensors SFET-R

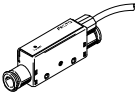
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Flow sensors SFET-R

Product range overview

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Type	Operating pressure	Flow measuring range	Pneumatic connection	Type of mounting	Electrical output	→ Page/ Internet
	[bar]	[l/min]			Analogue	
Flow sensor SFET-R, bidirectional						
	-0.9 ... +2	-0.05 ... +0.05 -0.1 ... +0.1 -0.5 ... +0.5 -1 ... +1 -5 ... +5 -10 ... +10	Push-in fitting 4 mm	Via through-hole, via mounting bracket	1 ... 5 V	4

1) In combination with signal converter SCDN.

Flow sensors SFET-R

Type codes

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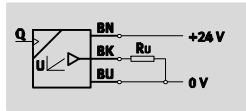
		SFE	T	-	R	-	L	-	W	Q4	-	D	-	K3
Type														
SFE	Flow sensor													
Design														
T	Flow transmitter													
Flow input														
R	Bidirectional													
Flow measuring range [l/min]														
Bidirectional														
0005	-0.05 ... +0.05													
0010	-0.1 ... +0.1													
0050	-0.5 ... +0.5													
0100	-1 ... +1													
0500	-5 ... +5													
1000	-10 ... +10													
Medium														
L	Compressed air													
Mounting														
W	Wall or surface mounting													
Pneumatic connection														
Q4	Push-in fitting 4 mm													
Analogue output														
D	1 ... 5 V													
Electrical connection														
K3	3 m cable, open end													

Flow sensors SFET-R, bidirectional

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Technical data

Function



- Suitable for vacuum
- Bidirectional flow
- Analogue output 1 ... 5 V
- Connection of a separate digital display SFEV-R possible



Technical data							
Type		SFET-R0005	SFET-R0010	SFET-R0050	SFET-R0100	SFET-R0500	SFET-R1000
General technical data							
Flow measuring range	[l/min]	−0.05 ... +0.05	−0.1 ... +0.1	−0.5 ... +0.5	−1 ... +1	−5 ... +5	−10 ... +10
Pneumatic connection		QS-4					
Mounting position		Vertical, horizontal					
Linearity error FS ¹⁾		5					
Reproducibility, switching value FS	[%]	1				2	
Product weight	[g]	25					
Electrical data							
Analogue output	[V]	1 ... 5					
Operating voltage range DC	[V]	12 ... 24					
Switch-on time	[ms]	5					
Load resistance	[kOhm]	>50					
Electrical connection		Cable					
Cable length	[m]	3					
Protection class		IP40					

1) % FS = % of the measuring range (full scale)

Operating and environmental conditions		
Operating pressure	[bar]	−0.9 ... +2
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [1:4:2] Nitrogen
Ambient temperature	[°C]	0 ... 50
Temperature of medium	[°C]	0 ... 50
CE mark (see declaration of conformity)		To EU EMC Directive
Certification		C-Tick
Corrosion resistance class CRC ²⁾		2

2) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Materials	
Housing	PA
Cable sheath	PVC
Note on materials	Contains PWIS (paint-wetting impairment substances)

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Technical data

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Dimensions

Download CAD data → www.festo.com

Push-in fitting QS-4



Type	B1	D1	D2 - Ø -	D3 - Ø -	H1	H3	L1	L2	L3	L5
SFET-R...-L-WQ4-D-K3	10	QS4	2.6	3.2	17	2.3	33	51.8	17	7

Ordering data

Version	Flow measuring range [l/min]	Part No.	Type
	-0.05 ... +0.05	538534	SFET-R0005-L-WQ4-D-K3
	-0.1 ... +0.1	538535	SFET-R0010-L-WQ4-D-K3
	-0.5 ... +0.5	538536	SFET-R0050-L-WQ4-D-K3
	-1 ... +1	538537	SFET-R0100-L-WQ4-D-K3
	-5 ... +5	538538	SFET-R0500-L-WQ4-D-K3
	-10 ... +10	538539	SFET-R1000-L-WQ4-D-K3