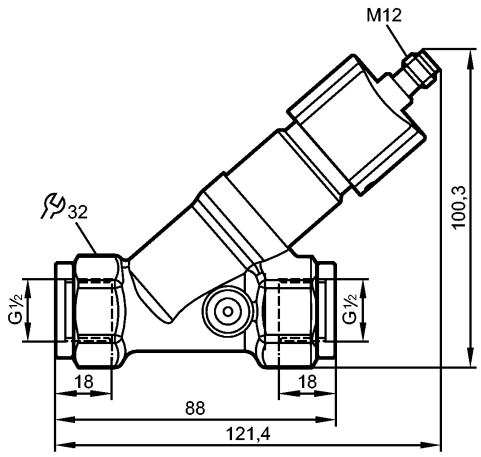
SBG434

SBG12HF010KG/US

Flow sensors



CE

Product characteristics		
Flow transmitter		
with non-return valve		
Process connection: G ½		
Analog output		
Measuring range: 2...50 l/min		
Application		
Application		liquids (water, glycol solutions, oils, coolants)
Pressure rating	[bar]	40
Medium temperature	[°C]	-10...100
Electrical data		
Electrical design		DC
Operating voltage	[V]	18...32 DC; to SELV/PELV
Current consumption	[mA]	< 35
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		analog
Short-circuit protection		yes
Overload protection		yes
Analog output		4...20 mA
Max. load	[Ω]	500
Measuring / setting range		
Measuring range	[l/min]	2...50
Accuracy / deviations		
Repeatability	[% of the final value]	1
Accuracy	[% of the final value]	± 5

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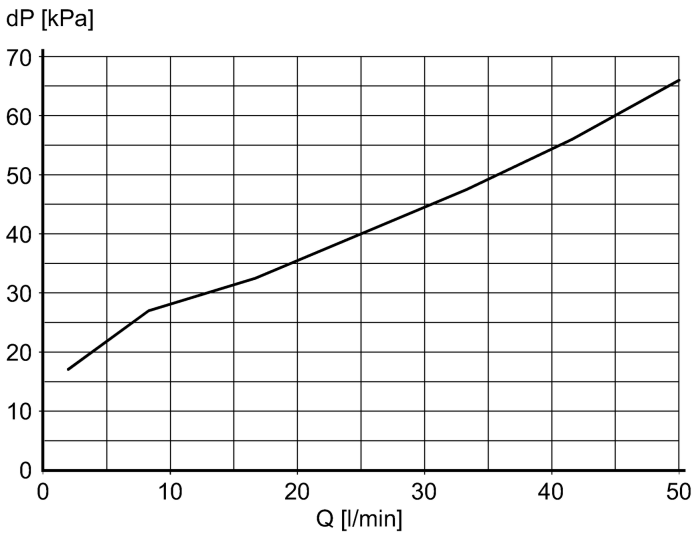
Pressure loss (dP) / flow rate (Q)	

Reaction times

Response time	[s]	< 0.01

Environment

Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65 / IP 67

Tests / approvals

EMC	DIN EN 61000-6-2 DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	20 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)

Mechanical data

Process connection		G ½
Materials (wetted parts)		stainless steel 316 / 1.4401; brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM
Housing materials		brass chemically nickel-plated; PP; stainless steel 316L / 1.4404; aluminum anodized; PA
Switching cycles min.		10 million
Weight	[kg]	0.554

Electrical connection

Connection	M12 connector

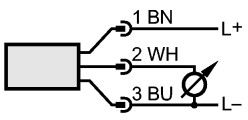
Wiring

Core colors

BN brown

BU blue

WH white



Colours to DIN EN 60947-5-2

Remarks

Remarks	Use of 200 micron filtration is recommended. All data refer to water (20 °C).

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Pack quantity	[piece]	1