SBG332

SBG34BF0BPKG/US

Flow sensors
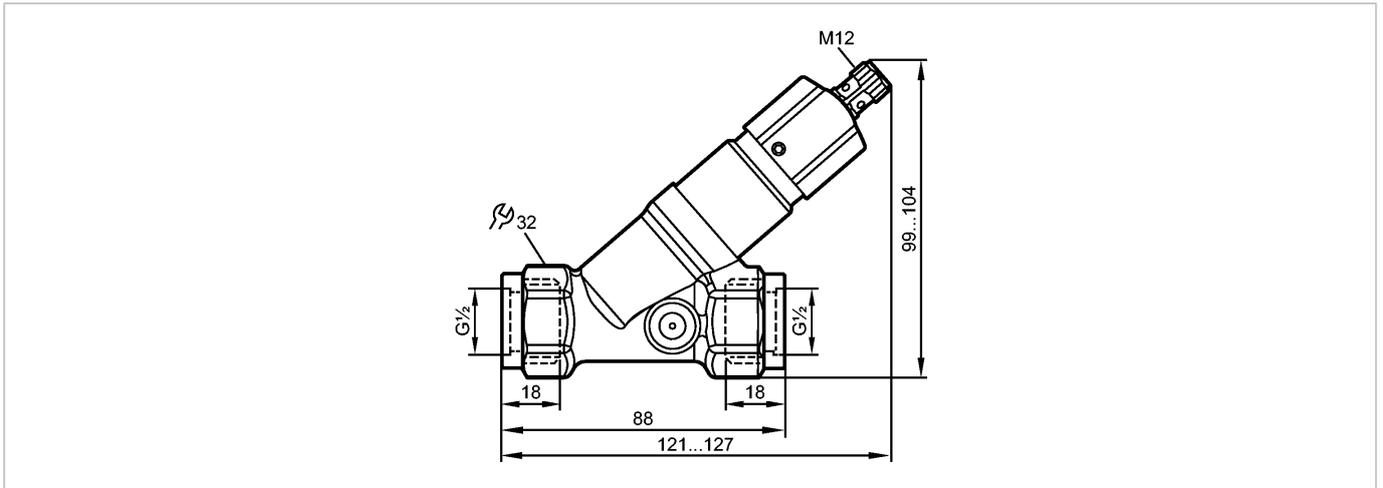
Product characteristics	
Flow monitor	
with non-return valve	
Process connection: G ½	
Setting range: 1...15 l/min	

Application		
Application		liquids (water, glycol solutions, oils, coolants)
Pressure rating	[bar]	40
Medium temperature	[°C]	0...85

Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...30 DC; to SELV/PELV
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

Outputs		
Output function		normally open
Current rating	[mA]	100
Voltage drop	[V]	< 2.5
Short-circuit protection		yes
Overload protection		yes

Measuring / setting range		
Setting range	[l/min]	1...15

Accuracy / deviations		
Hysteresis	[l/min]	0.2...1
Repeatability	[% of the final value]	1
Accuracy	[% of the final value]	± 5

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Pressure loss (dP) / flow rate (Q)

dP [kPa]

Q [l/min]
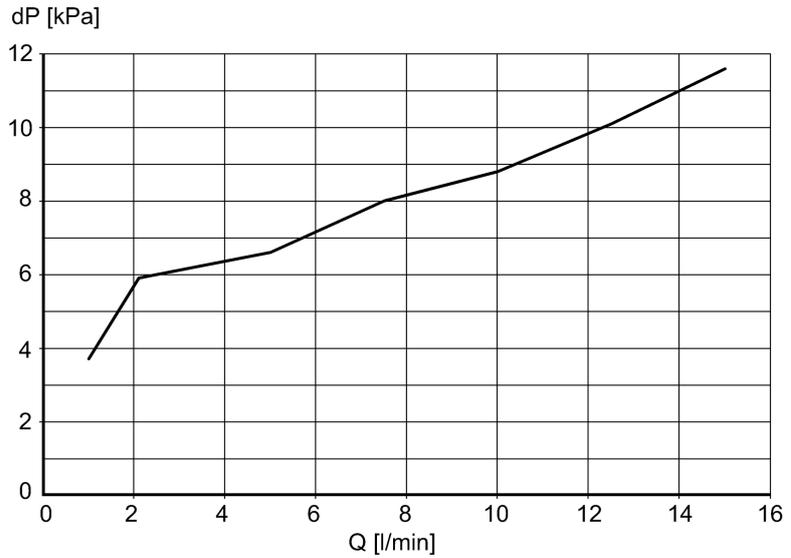
Reaction times		
Response time	[s]	< 0.01

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)
MTTF	[Years]	3318

| **Mechanical data**		
Process connection		G ½
Materials (wetted parts)		stainless steel 301 / 1.4310; stainless steel (304S15); PBT; brass chemically nickel-plated; PP; PPS; Polyolefin; O-ring: FKM
Housing materials		brass chemically nickel-plated; PPS; aluminum anodized; PA
Switching cycles min.		10 million
Weight	[kg]	0.514

Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)

Electrical connection		
Connection		M12 connector

Wiring

Core colors
BK   black
BN   brown
BU   blue
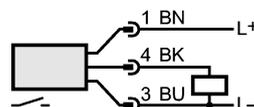
Colours to DIN EN 60947-5-2

Accessories	
Accessories (included)	Allen key

Remarks	
Remarks	Attention: Do not turn the cap beyond the maximum value of the setting range. All data refer to water (20 °C).
Pack quantity [piece]	1