

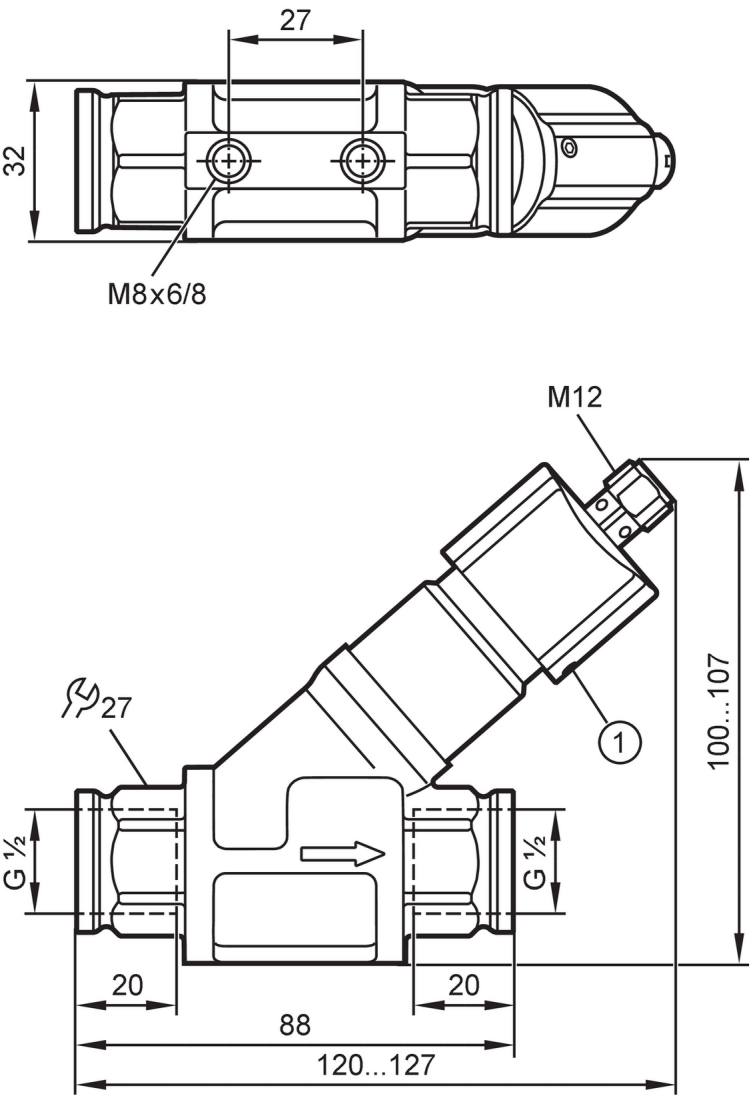
SBG334



Flow sensor with fast response time

SBG34BF0BPKG/US

Please note the changed housing design!



1 socket head screw



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection G 1/2 Internal thread DN15

Application

Media	Liquids; water; glycol solutions; Coolants
Medium temperature [°C]	0...85
Pressure rating	40 bar 4 MPa

Electrical data

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



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Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		PNP
Number of digital outputs		1
Output function		normally open
Max. voltage drop switching output DC [V]		2.5
Permanent current rating of switching output DC [mA]		100
Short-circuit protection		yes
Overload protection		yes
Measuring/setting range		
Setting range [l/min]		2...50
Accuracy / deviations		
Repeatability [% of the final value]		1
Hysteresis [l/min]		1...3
Measuring error [% of the final value]		± 5
Reaction times		
Response time [s]		< 0.01
Operating conditions		
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
Vibration resistance		DIN EN 60068-2-6
MTTF [years]		3318
Mechanical data		
Weight [g]		542
Material		brass chemically nickel-plated; PPS; aluminum anodized; PA
Materials (wetted parts)		stainless steel (1.4310 / 301); stainless steel (1.4301 / 304); PBT; brass chemically nickel-plated; PP; PPS; Polyolefin; O-ring: FKM
Process connection		threaded connection G 1/2 Internal thread DN15
Switching cycles mechanical		10 million
Displays / operating elements		
Display		Switching status
		4 x LED, yellow

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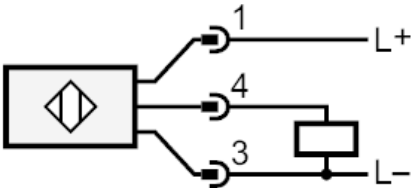
Accessories	
Items supplied	Allen key
Remarks	
Remarks	Caution Do not turn the cap beyond the maximum value of the setting range.
	All data refer to water (20 °C).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection



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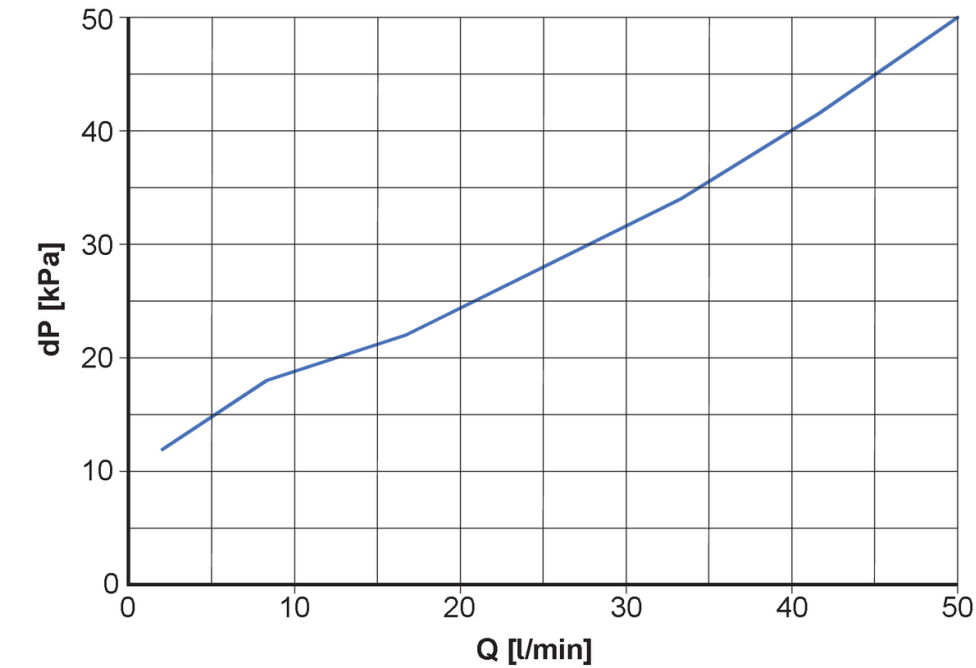


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Diagrams and graphs

Pressure loss



dP Pressure loss
Q volumetric flow quantity