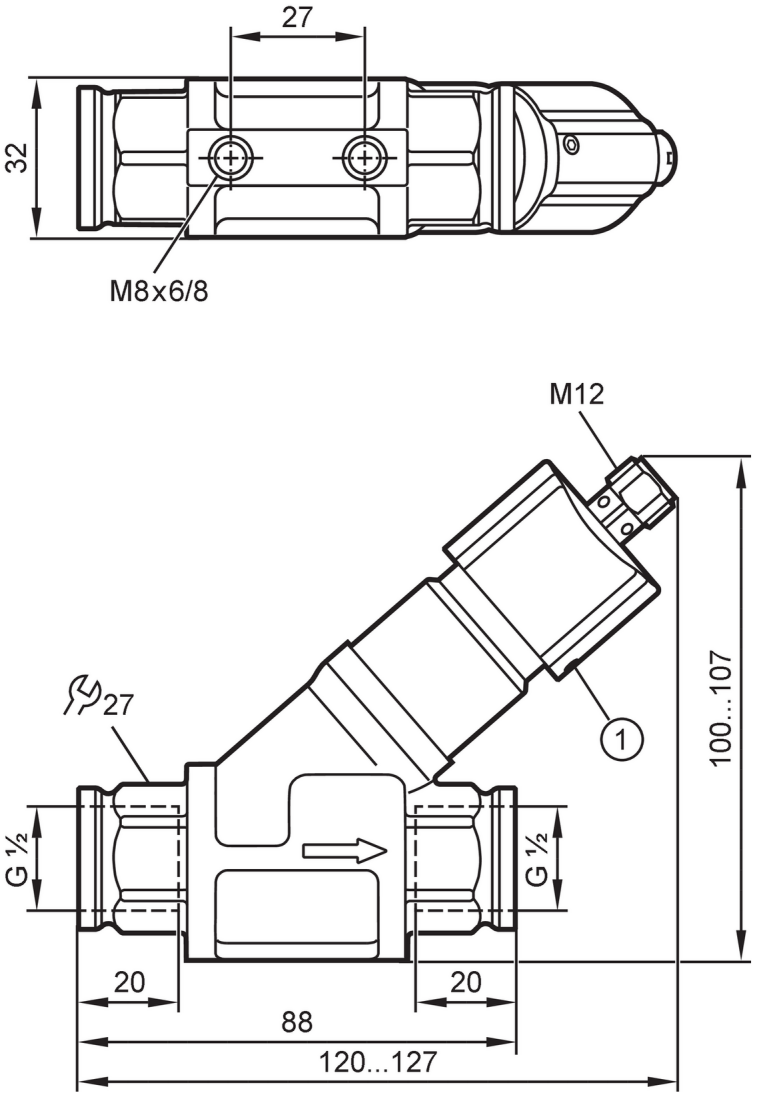
SBG332

Flow sensor with integrated backflow prevention

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]	1...15	
Accuracy / deviations		
Repeatability [% of the final value]	1	
Hysteresis [l/min]	0,2...1	
Measuring error [% of the final value]	± 5	
Response 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	20 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF [years]	3318	
Mechanical data		
Weight [g]	533.5	
Materials	brass chemically nickel-plated; PPS; aluminium anodised; PA	
Materials (wetted parts)	stainless steel (301/1.4310); stainless steel (304/1.4301); 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

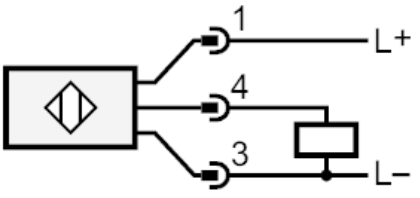
Remarks	
Remarks	Caution Do not turn the cap beyond the maximum value of the setting range.
	All data refer to water (20 °C).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

Electrical connection

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



Connection



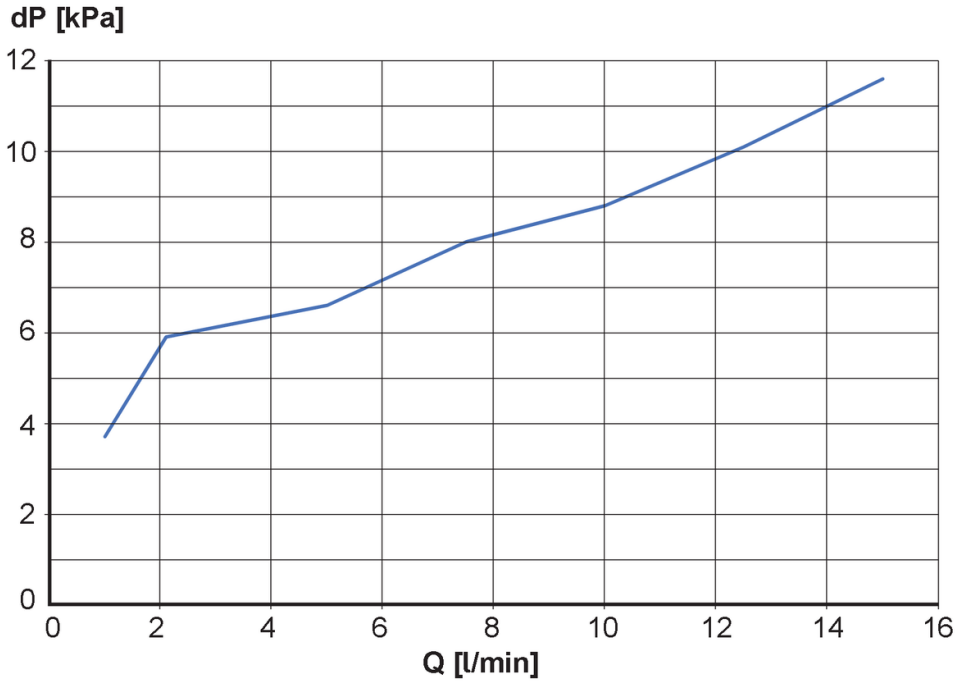
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Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity