

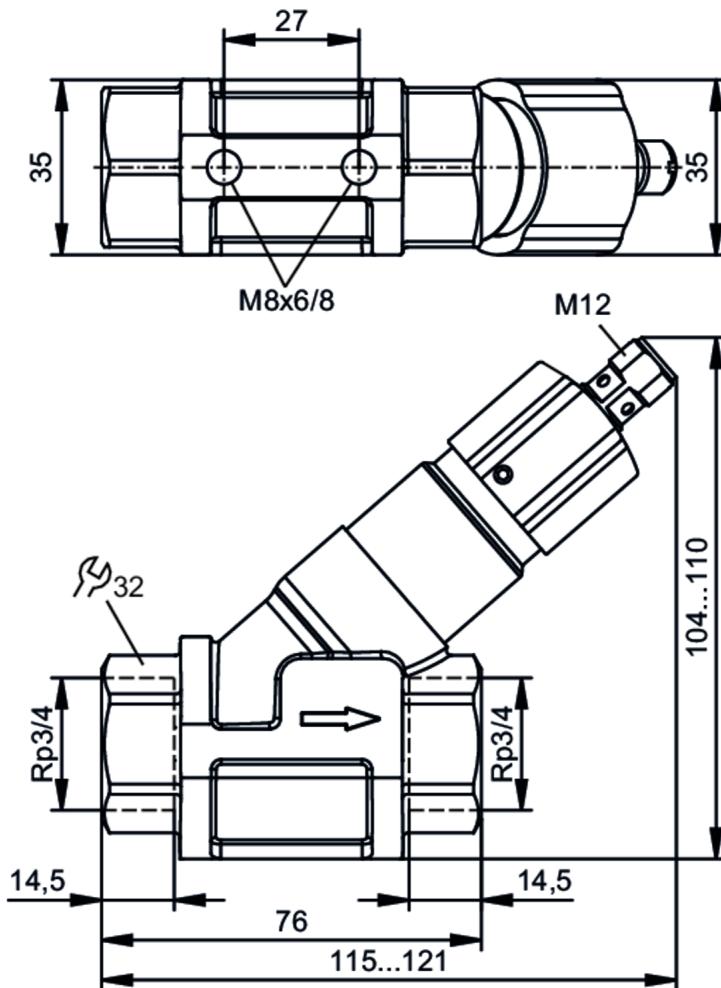
# SBY332



## Flow sensor with integrated backflow prevention

SBY34BF0BPKG/US

Please note the changed housing design!



### Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection Rp 3/4 internal thread

### 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

### Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1
------------------------------	------------------------------

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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
Vibration resistance		DIN EN 60068-2-6
MTTF	[years]	3318
Mechanical data		
Weight	[g]	559.6
Materials		brass chemically nickel-plated; PP; 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 Rp 3/4 internal thread
Switching cycles mechanical		10 million
Displays / operating elements		
Display	switching status	4 x LED, yellow
Accessories		
Items supplied		Allen key

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## Flow sensor with integrated backflow prevention

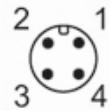
SBY34BF0BPKG/US

### Remarks

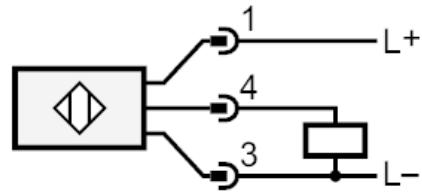
Remarks	Caution Do not turn the cap beyond the maximum value of the setting range. All data refer to water (20 °C).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

### Electrical connection

Connector: 1 x M12; coding: A



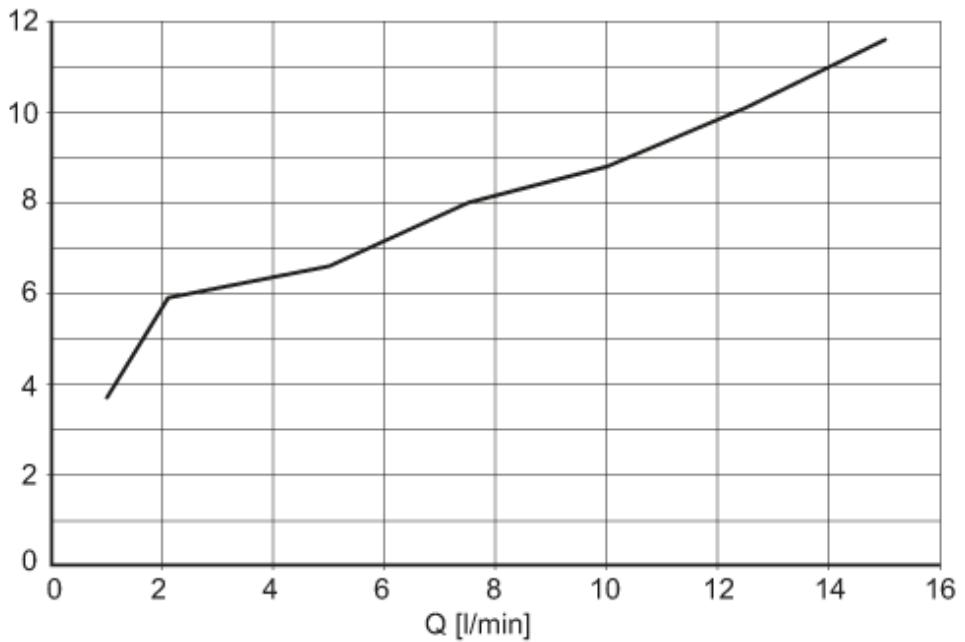
### Connection



### Diagrams and graphs

Pressure loss

$dP$  [kPa]



$dP$  Pressure loss

$Q$  volumetric flow quantity