

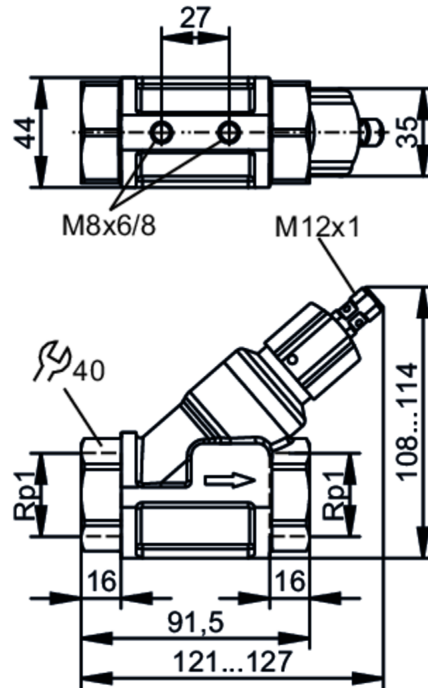
# SBY346



## Flow sensor with fast response time

SBY11BF0BPKG/US

Please note the changed housing design!



### Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	Rp 1

### Application

Media	Liquids; water; glycol solutions; Coolants
Medium temperature [°C]	0...85
Pressure rating [bar]	25
Pressure rating [MPa]	2.5

### 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

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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]	5...100
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### Accuracy / deviations

Repeatability		1
	[% of the final value]	
Hysteresis	[l/min]	3...6
Measuring error		± 5
	[% of the final value]	

### Reaction times

Response time	[s]	< 0.01
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### 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]	1066.9
Material		brass chemically nickel-plated; PP; 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		Rp 1
Switching cycles mechanical		10 million

### Displays / operating elements

Display	Switching status	4 x LED, yellow
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### Accessories

Items supplied		Allen key
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### 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.

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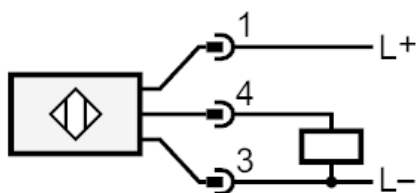
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### Electrical connection

Connector: 1 x M12; coding: A

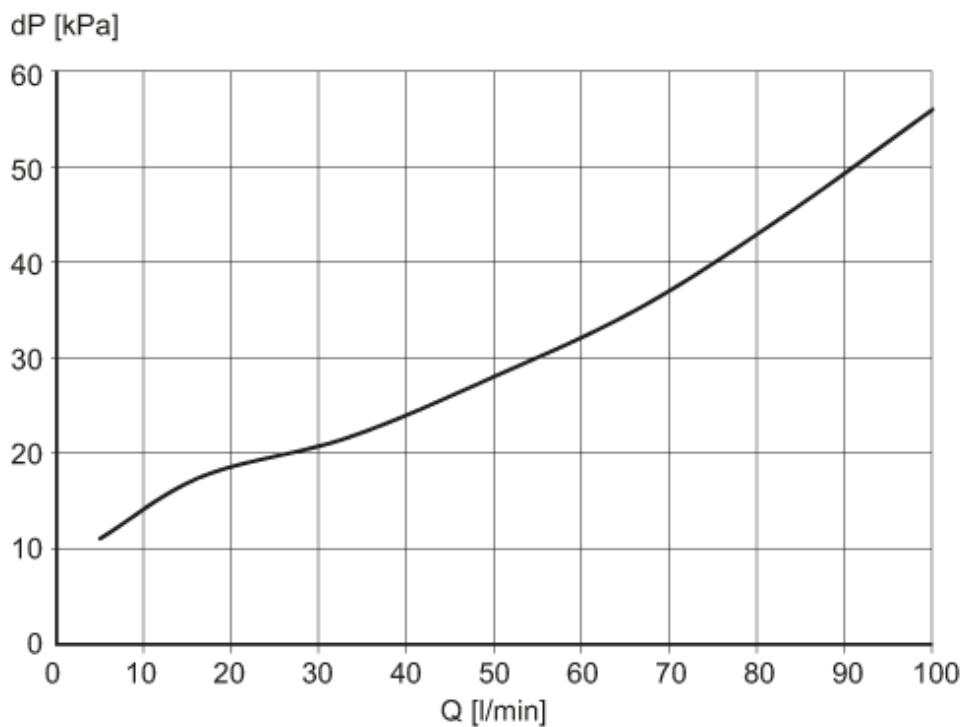


### Connection



### Diagrams and graphs

Pressure loss



dP Pressure loss  
Q volumetric flow quantity