

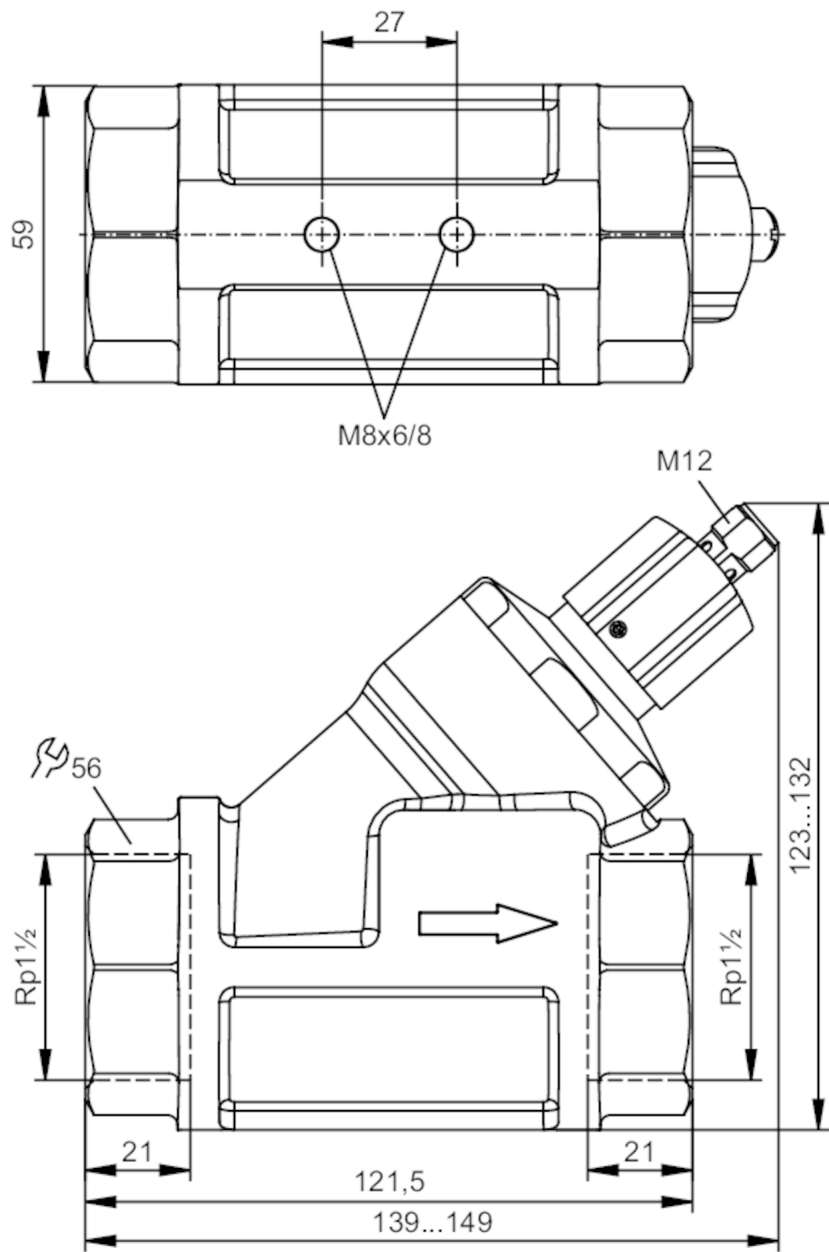
SBY357



Flow sensor with fast response time

SBY32BF0BPKG/US

Please note the changed housing design!



Product characteristics		
Number of inputs and outputs	Number of digital outputs: 1	
Process connection	threaded connection Rp 1 1/2 Internal thread	
Application		
Media	Liquids; water; glycol solutions; Coolants	
Medium temperature	[°C]	0...85
Pressure rating	25 bar	2.5 MPa
Electrical data		
Operating voltage	[V]	10...30 DC; (to SELV/PELV)

SBY357



Flow sensor with fast response time

SBY32BF0BPKG/US

Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
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]	20...200
Accuracy / deviations		
Repeatability	[% of the final value]	1
Hysteresis	[l/min]	5...10
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	20 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF	[years]	3318
Mechanical data		
Weight	[g]	2141.8
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; spacer: POM; Polyolefin; O-ring: FKM
Process connection		threaded connection Rp 1 1/2 Internal thread
Switching cycles mechanical		10 million

SBY357



Flow sensor with fast response time

SBY32BF0BPKG/US

Displays / operating elements

Display	Switching status	4 x LED, yellow
---------	------------------	-----------------

Accessories

Items supplied	Allen key
----------------	-----------

Remarks

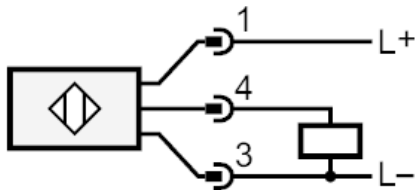
Remarks	Caution Do not turn the cap beyond the maximum value of the setting range.
	All data refer to water (20 °C).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



SBY357

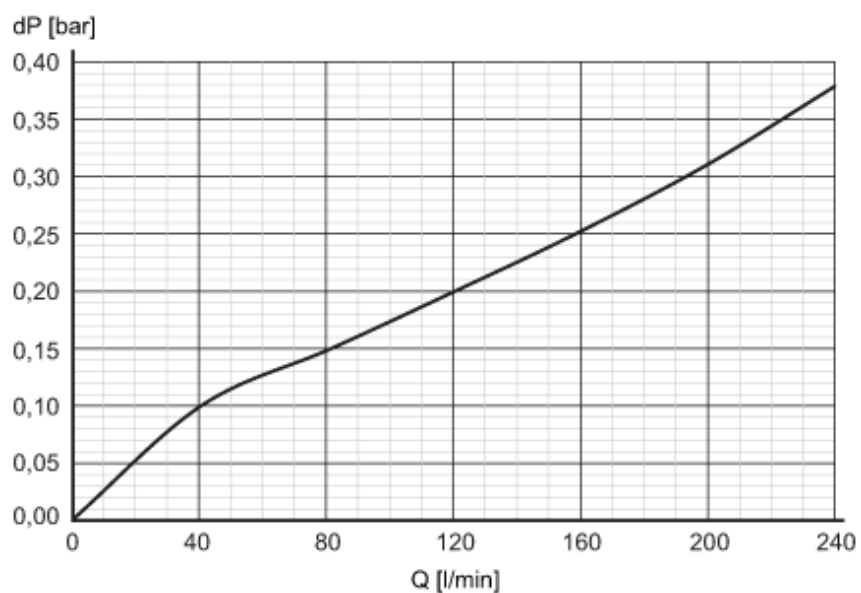


Flow sensor with fast response time

SBY32BF0BPKG/US

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity