

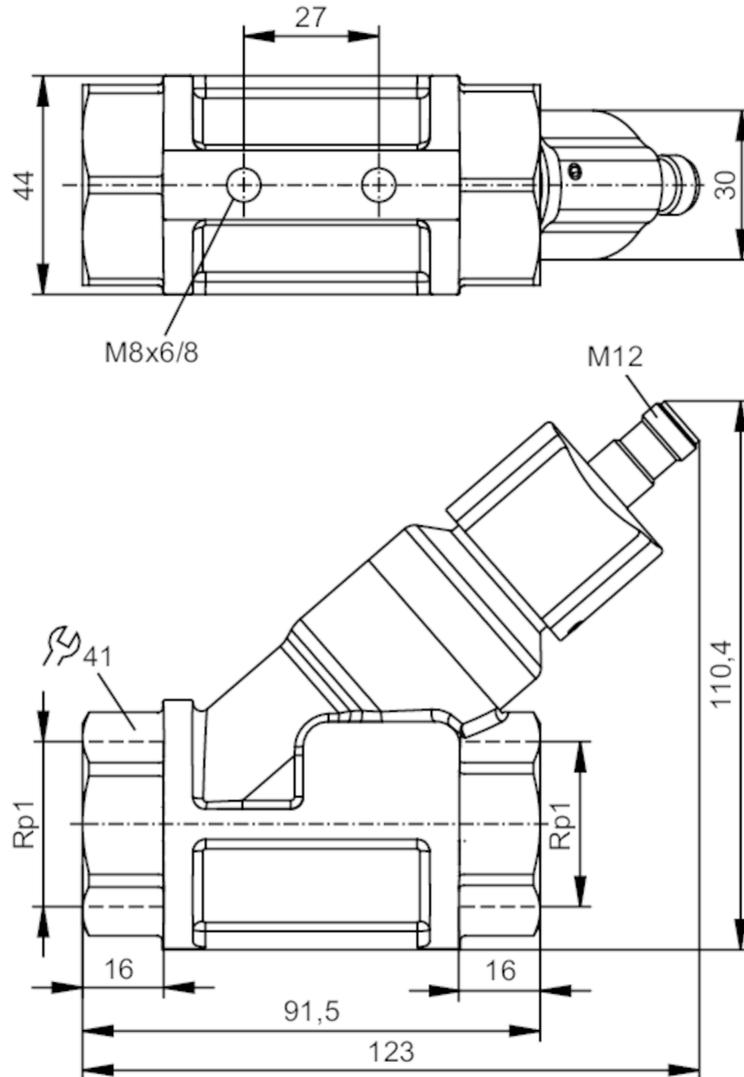
SBY446



Flow transmitters with fast response time

SBY11HF010KG/US

Please note the changed housing design!



Product characteristics

Measuring range	[l/min]	4...100
Process connection		threaded connection Rp 1 Internal thread

Application

Media		Liquids; water; glycol solutions; Coolants
Medium temperature	[°C]	-10...100
Pressure rating	25 bar	2.5 MPa

Electrical data

Operating voltage	[V]	18...32 DC; (to SELV/PELV)
Current consumption	[mA]	< 35

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Protection class	III
Reverse polarity protection	yes
Outputs	
Output signal	analog signal
Analog current output [mA]	4...20
Max. load [Ω]	500
Short-circuit protection	yes
Overload protection	yes
Measuring/setting range	
Measuring range [l/min]	4...100
Accuracy / deviations	
Repeatability [% of the final value]	1
Measuring error [% of the final value]	± 5
Reaction times	
Response time [s]	< 0.01
Operating conditions	
Ambient temperature [$^{\circ}\text{C}$]	0...60
Storage temperature [$^{\circ}\text{C}$]	-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]	778
Mechanical data	
Weight [g]	1093.8
Material	brass chemically nickel-plated; PP; stainless steel (1.4404 / 316L); aluminum anodized; PA
Materials (wetted parts)	stainless steel (1.4401 / 316); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM
Process connection	threaded connection Rp 1 Internal thread
Switching cycles mechanical	10 million
Remarks	
Remarks	Recommendation Use 200 micron filtration All data refer to water (20 $^{\circ}\text{C}$).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

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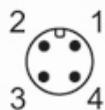


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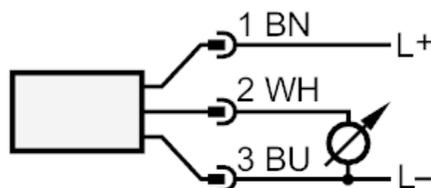
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Electrical connection

Connector: 1 x M12; coding: A



Connection



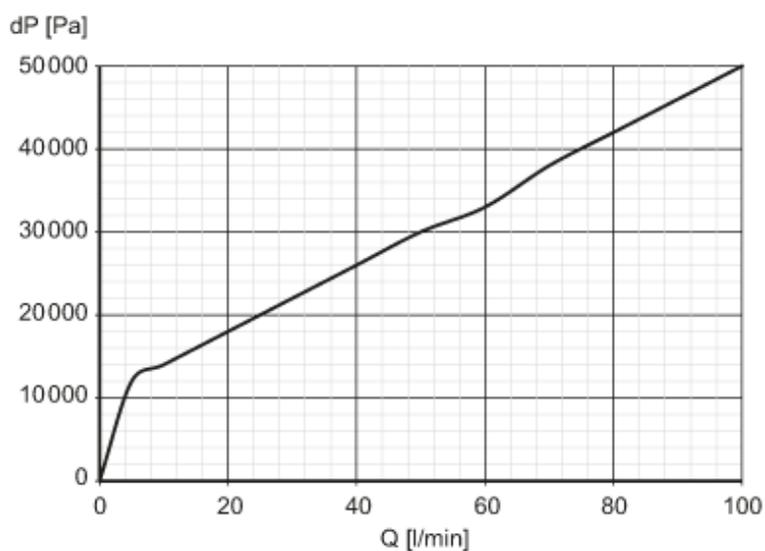
Colors to DIN EN 60947-5-2

Core colors :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity