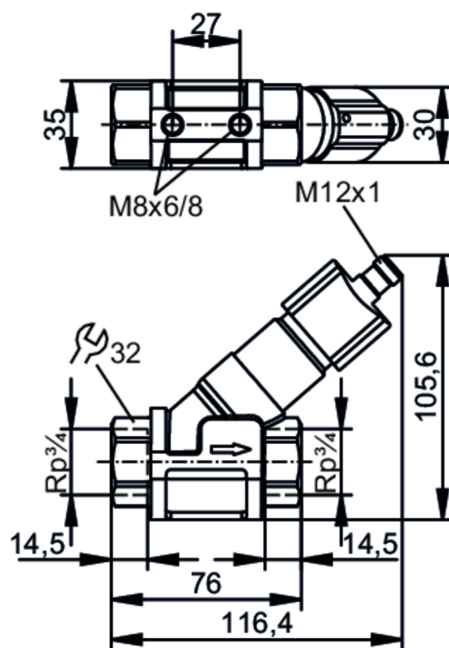




Flow transmitter with integrated backflow prevention

SBY34HF010KG/US

Please note the changed housing design!



Product characteristics

Measuring range	[l/min]	0.3...15
Process connection		threaded connection Rp 3/4 internal thread

Application

Media		Liquids; water; glycol solutions; coolants
Medium temperature	[°C]	-10...100
Pressure rating	40 bar	4 MPa

Electrical data

Operating voltage	[V]	18...32 DC; (to SELV/PELV)
Current consumption	[mA]	< 35
Protection class		III
Reverse polarity protection		yes

Outputs

Output signal		analogue signal
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes

Measuring/setting range

Measuring range	[l/min]	0.3...15
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Accuracy / deviations

Repeatability		1
	[% of the final value]	



Flow transmitter with integrated backflow prevention

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Measuring error [% of the final value]	± 5
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Response 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]		778

Mechanical data

Weight [g]	564.5
Materials	brass chemically nickel-plated; PP; stainless steel (316L/1.4404); aluminium anodised; PA
Materials (wetted parts)	stainless steel (316 / 1.4401); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM
Process connection	threaded connection Rp 3/4 internal thread
Switching cycles mechanical	10 million

Remarks

Remarks	Recommendation Use 200 micron filtration
	All data refer to water (20 °C).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

Electrical connection

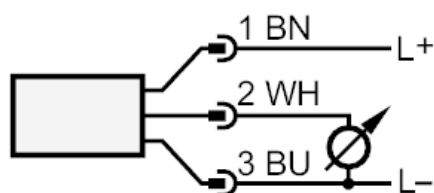
Connector: 1 x M12; coding: A



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Connection



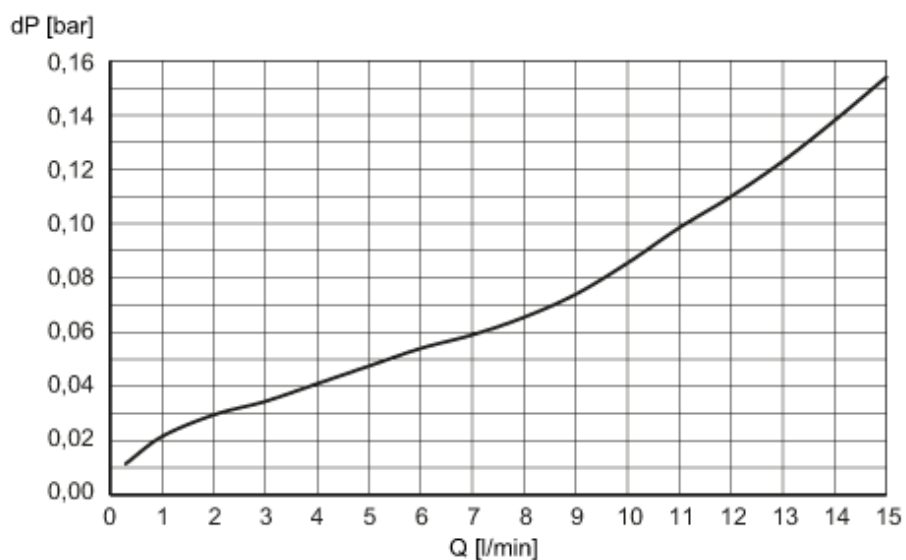
colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity