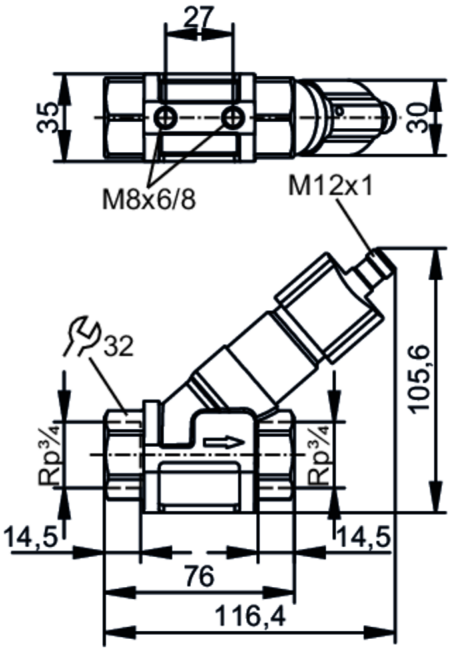
SBY433

Flow transmitters with fast response time

SBY34HF010KG/US

Please note the changed housing design!



Product characteristics			
Measuring range	[l/min]		1...25
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			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]		1...25
Accuracy / deviations			
Repeatability	[% of the final value]		1

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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]	778	
Mechanical data			
Weight	[g]	556.65	
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 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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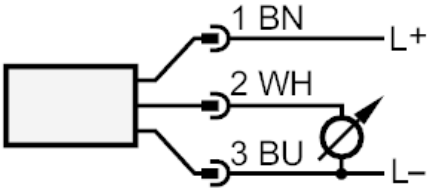
Connection

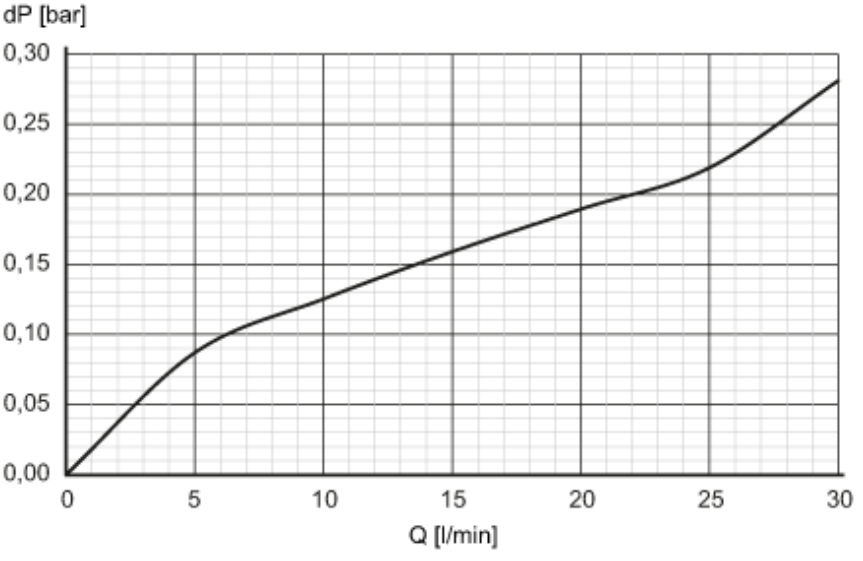


Colors to DIN EN 60947-5-2
Core colors :

BN =	brown
BU =	blue
WH =	white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity