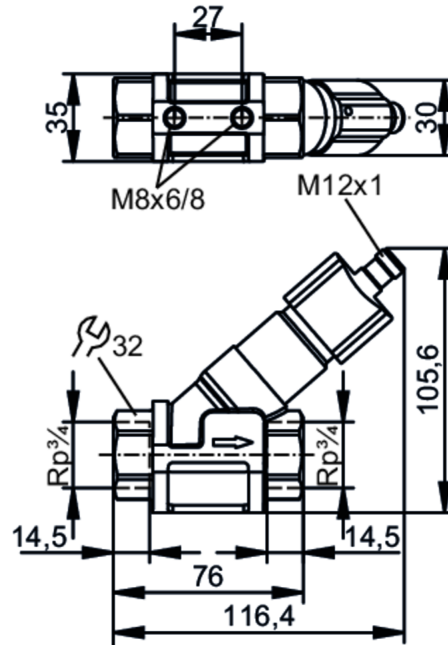




Flow transmitters with fast response time

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Please note the changed housing design!



Product characteristics

Measuring range	[l/min]	1...25
Process connection		Rp 3/4

Application

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

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

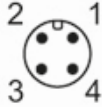
Measuring range	[l/min]	1...25
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SBY433



Flow transmitters with fast response time

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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 [°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	Rp 3/4
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	
	

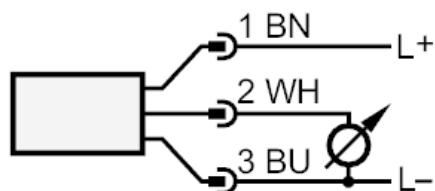
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Flow transmitters with fast response time

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Connection



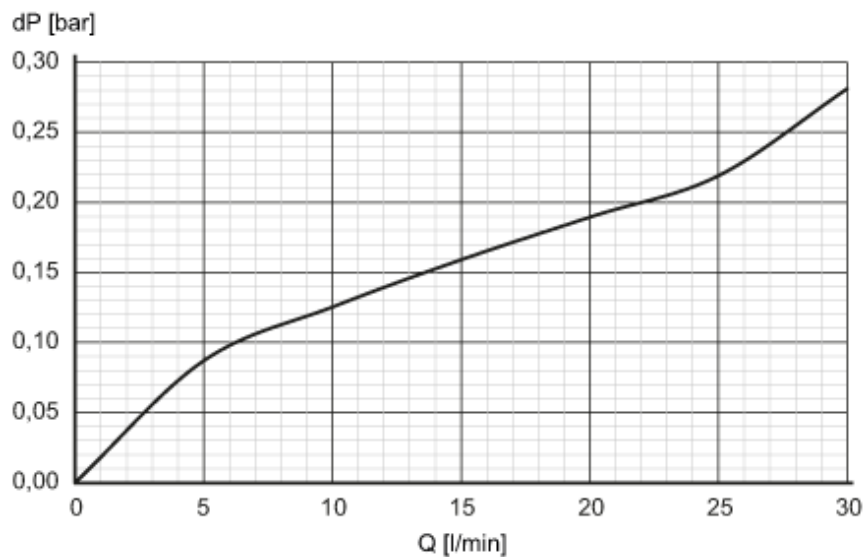
Colors to DIN EN 60947-5-2

Core colors :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity