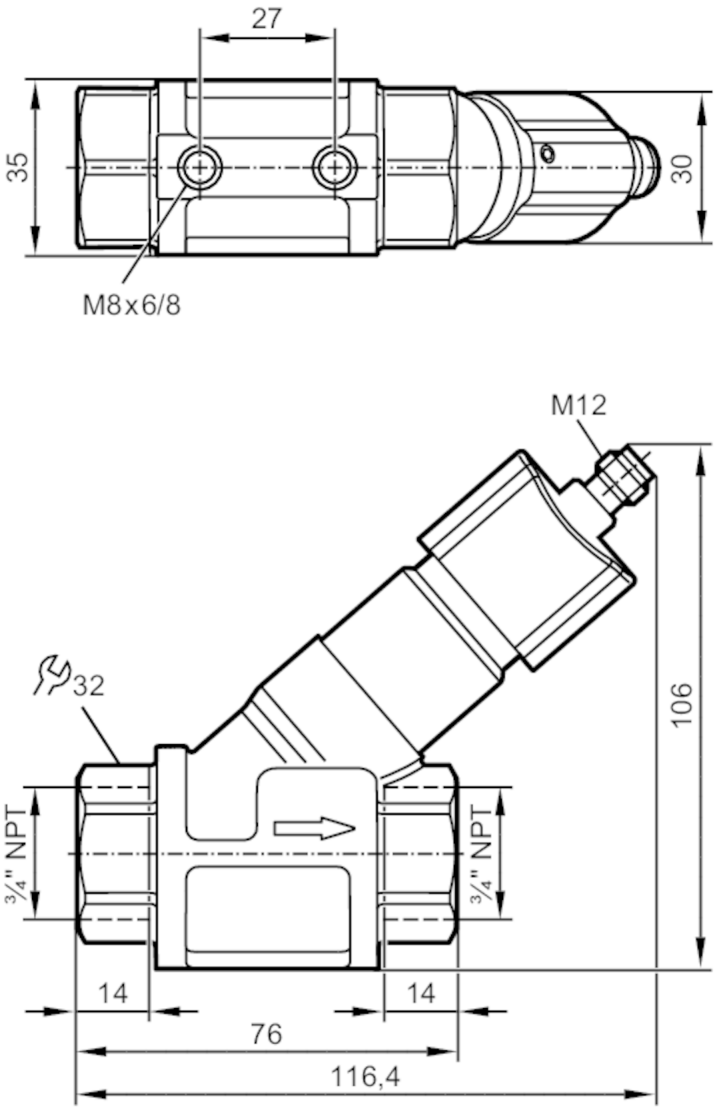
SBN433

Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

Please note the changed housing design!



Product characteristics		
Measuring range	[gpm]	0.2...6
Process connection		3/4" NPT
Application		
Media		Liquids; water; glycol solutions; coolants
Medium temperature	[°F]	14...212
Pressure rating	[bar]	40
Pressure rating	[MPa]	4
Electrical data		
Operating voltage	[V]	18...32 DC; (to SELV/PELV)

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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 [gpm]		0.2...6
Accuracy / deviations		
Repeatability [% of the final value]		1
Measuring error [% of the final value]		± 5
Response times		
Response time [s]		< 0.01
Operating conditions		
Ambient temperature [°F]		32...140
Storage temperature [°F]		5...176
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]		476
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		3/4" NPT
Switching cycles mechanical		10 million
Remarks		
Remarks		Recommendation Use 200 micron filtration
		All data refer to water (68 °F).
Notes		Please note the changed housing design!
Pack quantity		1 pcs.

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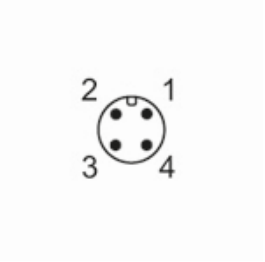
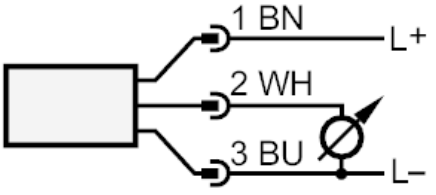
Electrical connection

Connector: 1 x M12; coding: A



Connection

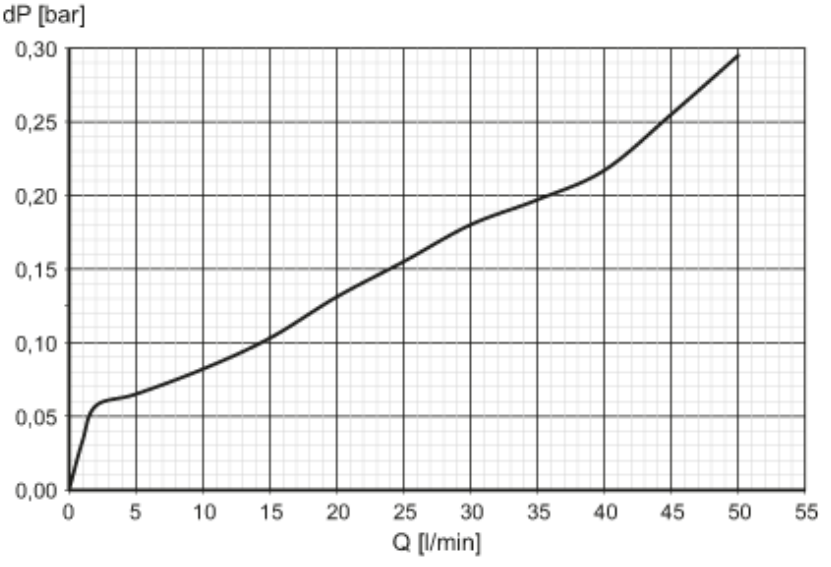


colours to DIN EN 60947-5-2
Core colours :

BN =	brown
BU =	blue
WH =	white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity