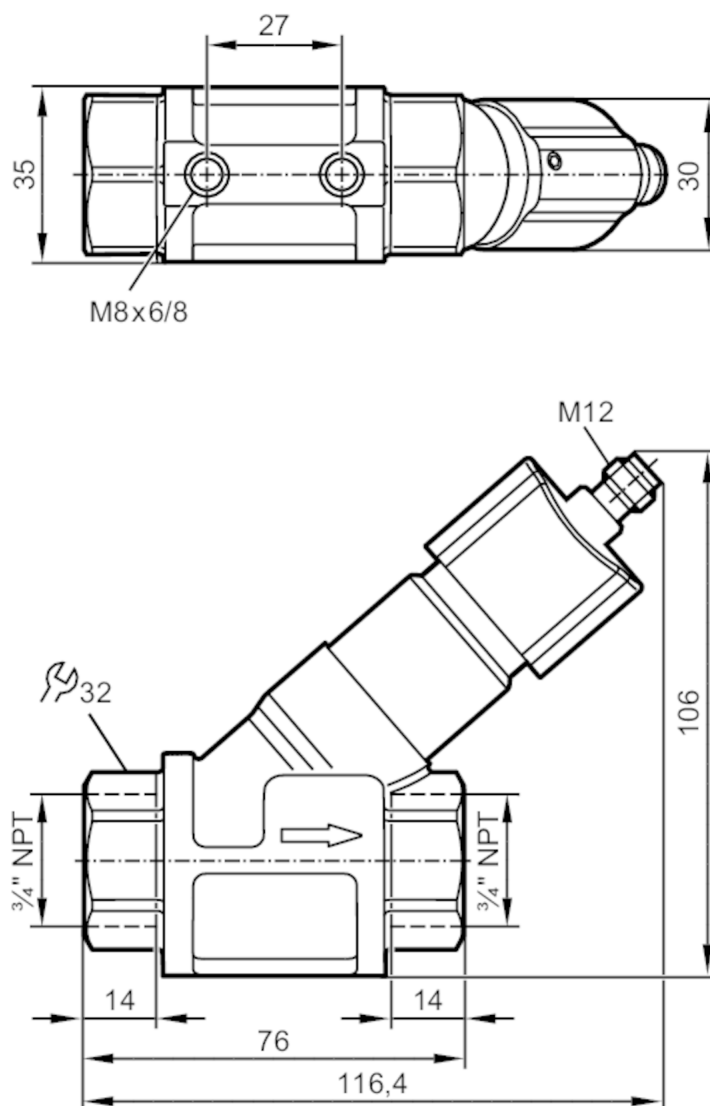


Flow transmitters with fast response time

SBN34HF010KG/US

Please note the changed housing design!



Product characteristics

Measuring range	[gpm]	0.2...4
Process connection		threaded connection 3/4" NPT Internal thread

Application

Media		Liquids; water; glycol solutions; Coolants
Medium temperature	[°F]	14...212
Pressure rating	40 bar	4 MPa

Electrical data

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



Flow transmitters with fast response time

SBN34HF010KG/US

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 [gpm]	0.2...4	
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 [°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]	480.05	
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 3/4" NPT Internal thread	
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.	

SBN432



Flow transmitters with fast response time

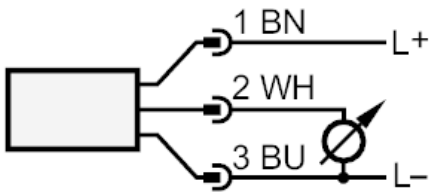
SBN34HF010KG/US

Electrical connection

Connector: 1 x M12; coding: A



Connection



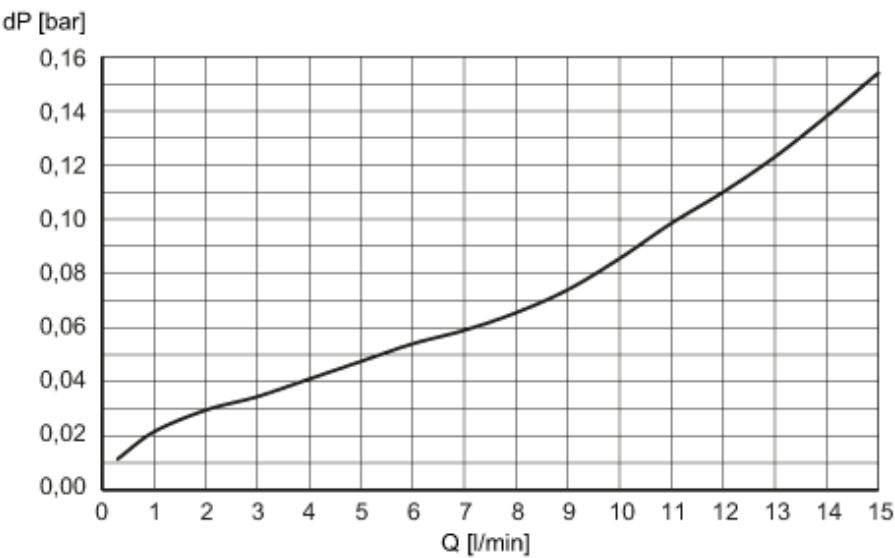
Colors to DIN EN 60947-5-2

Core colors :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity