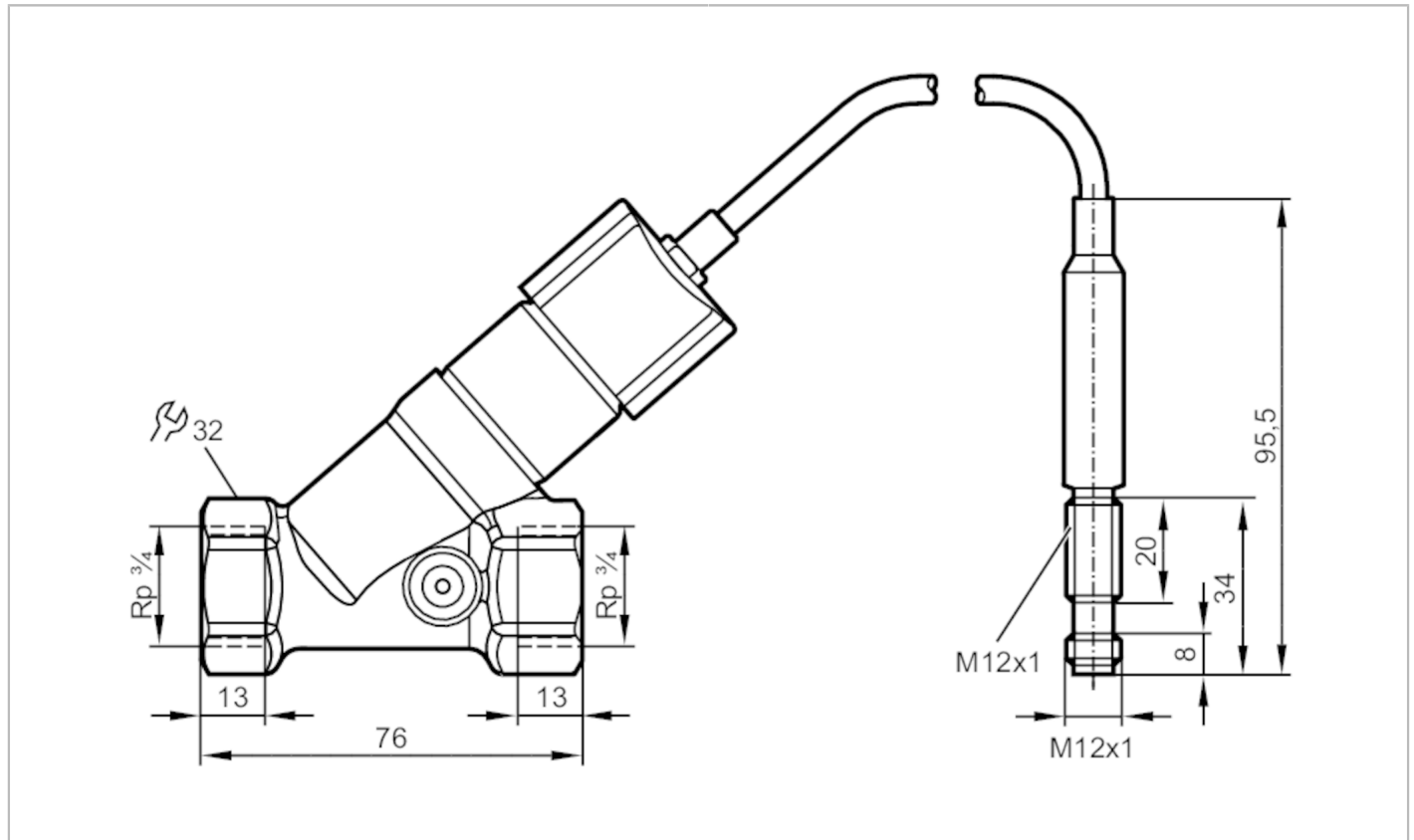


SBT634



Flow transmitter with integrated backflow prevention

SBT34XKX10KG/O/US




Product characteristics	
Measuring range	[l/min] 0.3...50
Process connection	Rp 3/4
Application	
Media	Liquids; water; glycol solutions
Medium temperature	[°C] 10...180
Pressure rating	[bar] 15
Note on pressure rating	at max. medium temperature at temperatures up to 85 °C: 25
Electrical data	
Operating voltage tolerance	[%] -15...10
Operating voltage	[V] 24 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

SBT634



Flow transmitter with integrated backflow prevention

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Measuring/setting range		
Measuring range	[l/min]	0.3...50
Accuracy / deviations		
Repeatability		1
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	
Response 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)
Mechanical data		
Weight	[g]	555.5
Materials		brass white bronze coated; PPS; copper alloy; aluminium anodised; PEI; silicone;
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; brass chemically nickel-plated; 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).
Pack quantity		1 pcs.
Electrical connection		
Cable: ,3 m, silicone		
Electrical connection - plug		
Connector: 1 x M12		
		

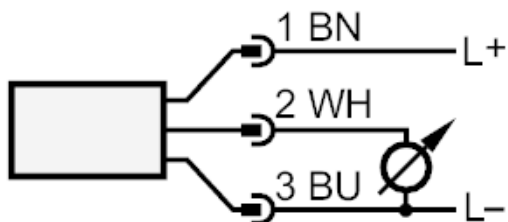
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Flow transmitter with integrated backflow prevention

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Connection



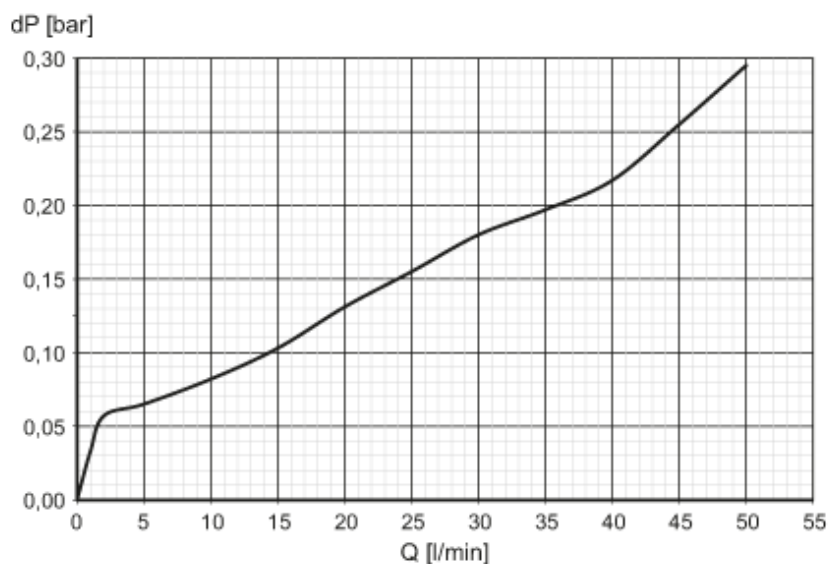
colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity