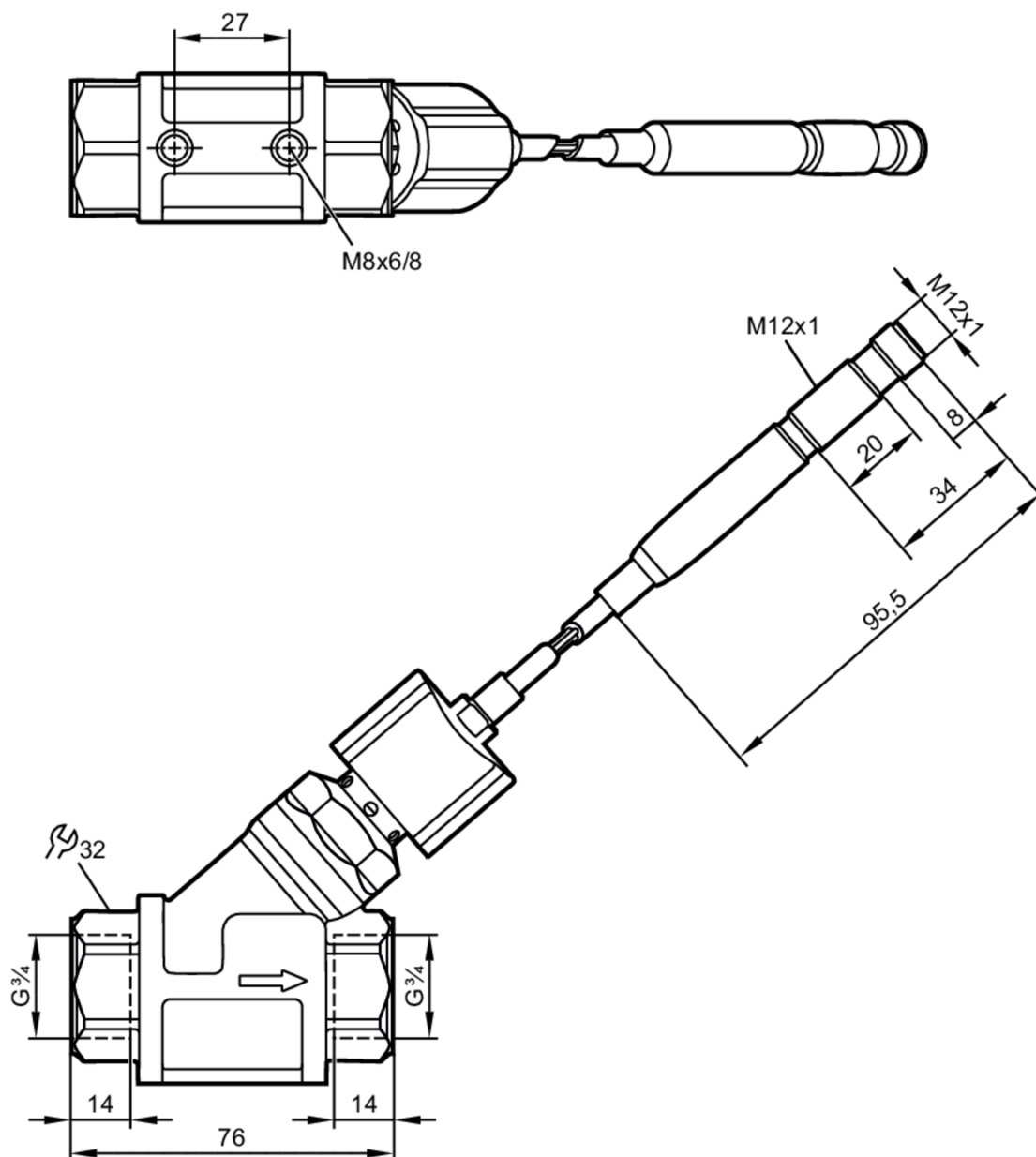


# SBT634



## Flow transmitter with integrated backflow prevention

SBT34XKX10KG/O/US



### Product characteristics

Measuring range	[l/min]	0.3...50
Process connection		threaded connection G 3/4 internal thread

### Application

Media		Liquids; water
Medium temperature	[°C]	10...180
Pressure rating	30 bar	3 MPa
Note on pressure rating		static

### Electrical data

Operating voltage tolerance	[%]	-15...10
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## Flow transmitter with integrated backflow prevention

SBT34XXKX10KG/O/US

Operating voltage	[V]	24 DC; (to SELV/PELV)
Current consumption	[mA]	< 35
Protection class		III
Reverse polarity protection		yes
<b>Outputs</b>		
Output signal		analogue signal
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes
<b>Measuring/setting range</b>		
Measuring range	[l/min]	0.3...50
<b>Accuracy / deviations</b>		
Repeatability		1
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	
<b>Response times</b>		
Response time	[s]	< 0.01
<b>Operating conditions</b>		
Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65; IP 67
<b>Tests / approvals</b>		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3
Shock resistance		20 g (11 ms)
Vibration resistance		5 g (10...2000 Hz)
MTTF	[years]	393
<b>Mechanical data</b>		
Weight	[g]	678.75
Materials		brass white bronze coated; PPS; copper alloy; aluminium anodised; PEI; silicone; O-ring: EPDM; FKM
Materials (wetted parts)		stainless steel (316 / 1.4401); stainless steel (304/1.4301); brass; brass chemically nickel-plated; PPS; O-ring: FKM; magnet: metallic alloy nickel-plated; Two-component adhesive
Process connection		threaded connection G 3/4 internal thread
Switching cycles mechanical		10 million
<b>Remarks</b>		
Remarks		Recommendation Use 200 micron filtration All data refer to water (20 °C).
Pack quantity		1 pcs.

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SBT34XKX10KG/O/US

### Electrical connection

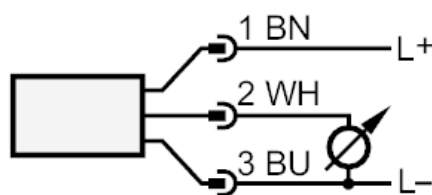
Cable: 0.3 m, silicone

### Electrical connection - plug

Connector: 1 x M12; coding: A



### Connection

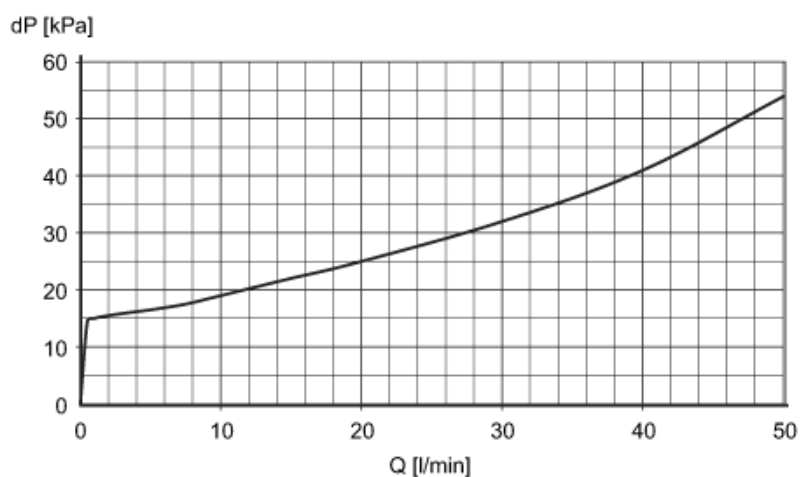


colours to DIN EN 60947-5-2

Core colours :

BN = brown  
BU = blue  
WH = white

### Diagrams and graphs



dP Pressure loss

Q volumetric flow quantity