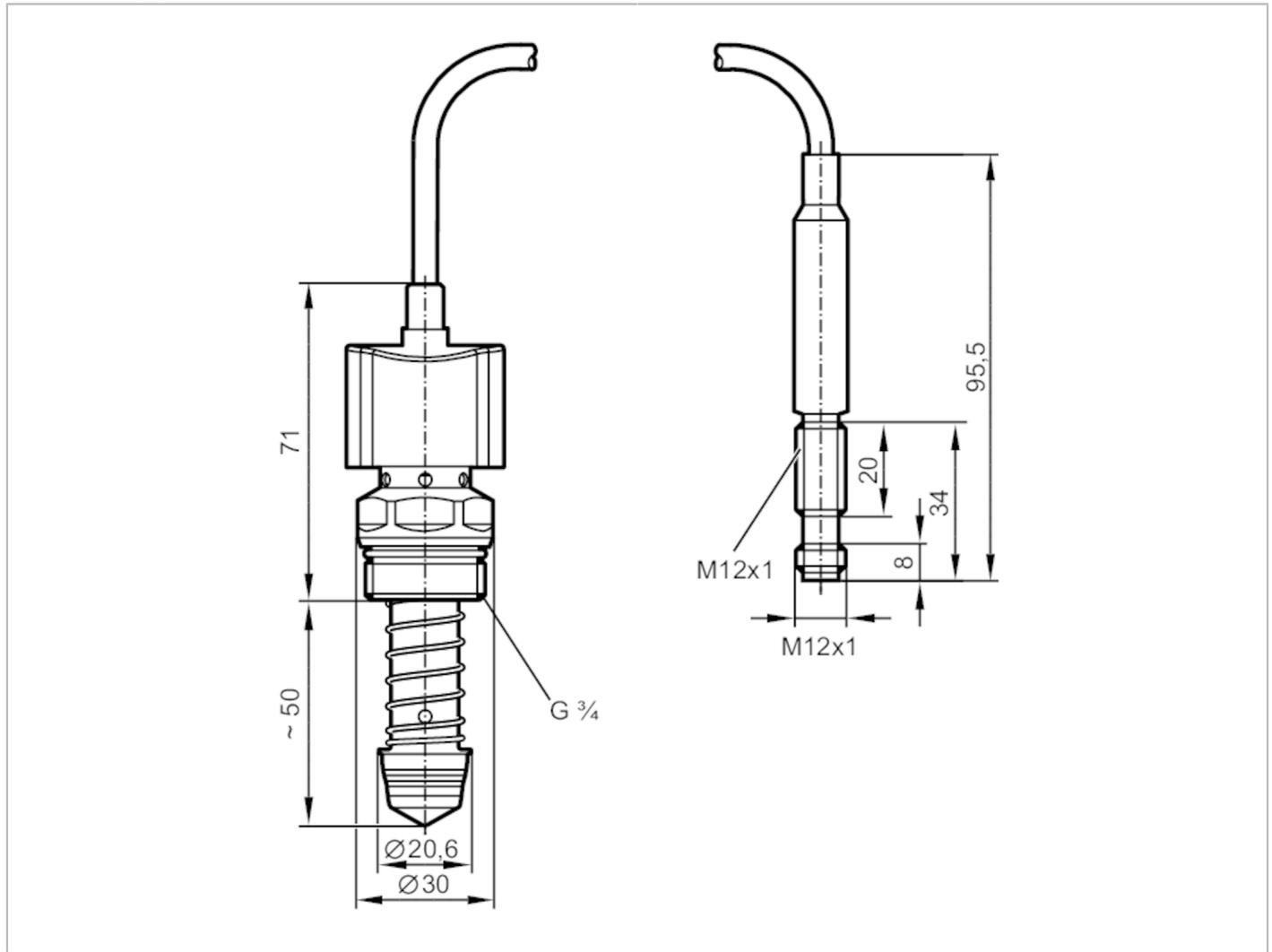


# SBM613



## Measurement insert for flow transmitters with integrated backflow prevention

SBM34XKX10KG/O/US



Product characteristics	
Measuring range	[l/min] 0.3...25
Process connection	G 3/4
Application	
Media	Liquids; water; glycol solutions
Medium temperature	[°C] 10...180
Pressure rating	[bar] 15
Pressure rating	[MPa] 1.5
Note on pressure rating	at max. medium temperature at temperatures up to 85 °C: 25 bar / 2,5 MPa
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



## Measurement insert for flow transmitters with integrated backflow prevention

SBM34XKX10KG/O/US

Outputs	
Output signal	analogue signal
Analogue current output [mA]	4...20
Max. load [ $\Omega$ ]	500
Short-circuit protection	yes
Overload protection	yes
Measuring/setting range	
Measuring range [l/min]	0.3...25
Accuracy / deviations	
Repeatability [% of the final value]	1
Measuring error [% of the final value]	$\pm 5$
Response times	
Response time [s]	< 0.01
Operating conditions	
Ambient temperature [ $^{\circ}\text{C}$ ]	0...60
Storage temperature [ $^{\circ}\text{C}$ ]	-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]	1380
Mechanical data	
Weight [g]	285
Materials	brass white bronze coated; PPS; copper alloy; aluminium anodised; silicone; PEI
Materials (wetted parts)	stainless steel (316 / 1.4401); brass; PPS; O-ring: FKM
Tightening torque [Nm]	15
Process connection	G 3/4
Switching cycles mechanical	10 million
Remarks	
Remarks	All data refer to water (20 $^{\circ}\text{C}$ ). Recommendation Use 200 micron filtration
Pack quantity	1 pcs.

# SBM613



## Measurement insert for flow transmitters with integrated backflow prevention

SBM34XKX10KG/O/US

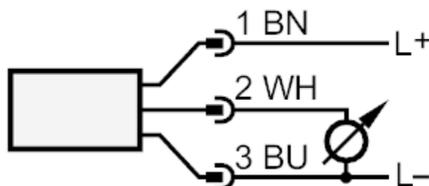
### Electrical connection - plug

Cable: 0.3 m, silicone

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

